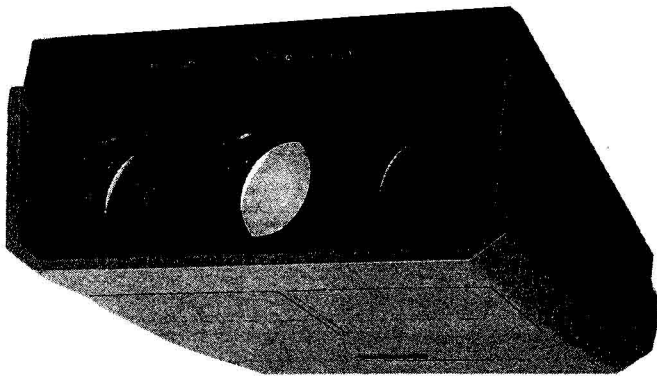


Service Manual

Colour Video Projector

PT-B1010E/EF

chassis No. Q14



The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Specifications

Power supply

220-240V~, 50/60 Hz
(240V U.K. Only)

Power consumption

365W (at remote control standby: 5W)

Projection tubes

7 inch high-luminance electromagnetic-focusing projection tubes (R, G, B)

Lenses

F 1.09, f 136 chromatic aberration correcting lenses

Luminance output

700 lumens

Horizontal resolution

RGB input: 1,100 TV lines, band width of 30MHz
Video input: 800 TV lines

Speaker output

1.5W (EIAJ)

Screen size

203.2-304.8cm (80-120 inches)

Horizontal frequency

RGB signals: 15.75kHz/15.625kHz
Video signals: 15.75kHz/15.625kHz

Vertical frequency

50/60 Hz

Operating ambient temperature

-5°~35°C (23°~95°F)

Operating ambient humidity

20%~80%

S-video input level

Y signal: 1Vp-p
C signal: 0.286Vp-p
Mini DIN 4 pin thread type

Line input/output level

1Vp-p, 75Ω or high-impedance, BNC connector

RGB input level

R, G, B: 0.7Vp-p, 75Ω
H. H/V: 0.3~4V, 75Ω
V: 0.3~4V, 75Ω

BNC connector

Audio input level

0.5Vrms

Remote control input 1 terminal

25-pin D-type connector for remote control

Dimensions

Width: 60.6cm (23 7/8 inches)
Depth: 76.5cm (30 1/8 inches)
Height: 30.5cm (12 inches)

Weight

49kg (108.0lbs)

Accessories

Remote control: 1 pc.

Power supply 3V DC

Operable distance 7m (23ft)
(in front of the receiver)

Weight 200g (0.44lbs)

Batteries (AA SUM-3): 2 pcs.

Remote control receiver box: 1 pc.

Cable for remote control receiver box 5m (16.4ft): 1 pc.

S-video/BNC conversion adaptors: 1 pack (2 pcs.)

Holding plate kit: 1 kit

Power cord: TSX1433

TSX3105 (U.K. Only)

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

Panasonic

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Features

1 A Multi-function system equipped with convenient terminals and a signal-switching function

Because the video projector is equipped with S-video input and video signal input/output terminals, and with an S-VIDEO/LINE/RGB signal switching function, it is compatible with a wide range of different systems. Furthermore, there is also a remote terminal which allows remote control.

2 Four different formats (NTSC, M-NTSC, PAL, and SECAM) of video signals can be input.

The video projector accepts input of each type of video signal format, NTSC, M-NTSC, PAL, and SECAM, including S-video signals.

3 High-luminance, high-quality picture

Newly developed 7-inch high-luminance electromagnetic-focusing projection tubes and double-focus chromatic aberration correcting lenses are combined using direct optical coupling. Additional technology has been included for a high-luminance, high-quality picture, such as a wide bandwidth video circuit, a high-voltage stabilizing circuit, and an electromagnetic-focusing correction circuit. As a result, a luminance of 700 lumens of light output (at white peak) and a resolution of 1100 television lines (15.625 kHz) during RGB signal input and 800 television lines during video signal input have been achieved, making it possible to enjoy a beautifully clear picture.

4 Easy-to-use compact remote control

The remote control is equipped with a full range of functions, even though it is the same compact size as a conventional television remote control. Installation adjustments, including the digital convergence and three-stage colour temperature, can be set independently for each type of signal, S-video, video, and RGB, and all day-to-day operations can also be performed using the remote control. In addition, a separate remote control receiver box which can be installed in an easy to operate location is also included.

5 On-screen display function

When an operation button is pressed, that function is displayed on-screen, allowing you to visually confirm that the operation is correct.

6 A digital convergence function greatly improves adjustment precision.

The inclusion of a digital convergence circuit and a circuit which generates a crosshatch pattern for making adjustments makes it possible to adjust for each signal up to every corner of the screen. Furthermore, because it is possible to store the adjusted convergence in the memory, the optimum convergence can be reproduced for each input signal.

Safety Precautions

GENERAL GUIDELINES

1. It is advisable to use an isolation transformer in the AC line supply before servicing this model.
2. When servicing observe the original lead dress, especially in the high voltage circuit. In case of a short circuit, replace every part which has overheated.
3. After servicing observe that all protective devices such as insulation barriers, fish paper, shields, isolation networks and fuses are properly installed.
4. Before turning the receiver on, the resistance between the B+ line and chassis ground should be checked. Connect the \ominus side of an ohmmeter to the B+ line and the \oplus side to chassis ground. Each line should have more resistance than specified, as follows:

B+ (B-) Line	Minimum Resistance	
125V	20k Ω	P1-P.W. board
*-170V	200k Ω	
30V	500 Ω	
15V	500 Ω	P2-P.W. board
15V	50 Ω	
10V	3 Ω	
*-15V	500 Ω	
*-30V	200 Ω	P3-P.W. board
220V	30k Ω	
120V	5k Ω	
80V	10k Ω	
9V	3k Ω	
9V	3k Ω	Remote control Power source
5V	300 Ω ...	

* - Side to ground

5. If the set is not intended to be used for a long time, the power cord should be unplugged from the AC line outlet.
6. Potentials, as high as 32.5 kV are present when this set is in operation. Removal of the covers involves the danger of a shock hazard from the set's power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high-voltage equipment.
Always discharge the anode of the projection tube to the set chassis before handling the tube.
7. After servicing, make the following leakage current checks to prevent a shock hazard.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two plug prongs.
2. Turn on the set.
3. Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part such as screwheads, input terminals, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be more than $4M\Omega$. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK (See Fig. 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.
2. Connect a $1.5k\Omega$ 10 watts resistor in parallel with a $0.15\mu F$ capacitor between each exposed metallic part and an earth. Use a good earth, for example, a water pipe.
3. Use a high impedance AC voltage meter (VTVM) to measure the potential across the resistor.
4. Move the resistor connection to each exposed metallic part and measure the voltage present.

5. Check that any potential does not exceed 0.75 volt RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used in the above hot check, in which case any current measured must not exceed 1/2 milliamp. In case any measurement is out of the limits specified, there is a possibility of a shock hazard and the set should be repaired and rechecked before it is returned to the customer.

HOT - CHECK CIRCUIT

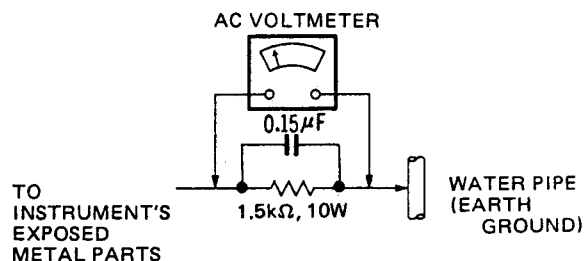


Fig. 1

X-RADIATION

WARNING: The potential source of X-Radiation in the colour video projector is the High Voltage section and the projection tubes.

NOTE: It is important to use an accurate, periodically, calibrated high voltage meter.

1. Turn the Brightness control fully counterclockwise.
2. Measure the High Voltage. The high voltage meter should indicate $32\text{ kV} \pm 0.5\text{ kV}$. If the upper meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. (Refer to high voltage adjustment in the manual.)
3. To prevent an X-Radiation possibility, it is essential to use the specified projection tube only.
4. To prevent exposure to X-Radiation, the projection tube shield must be kept in place with power applied to the set.

WARNING: When using a projection tube test jig for service, ensure that jig is capable of handling 32.5 kV without causing X-Radiation.

Operating Instructions


Location of the colour video projector


Front View

Remote control input 1 terminal

This terminal is used for remote control.
For details, refer to "About the remote control input 1 terminal".

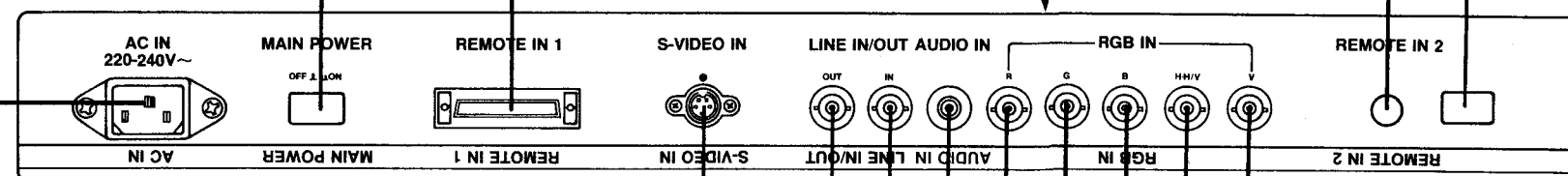
Main power switch

Press: ( ON)
The main power supply of the video projector will be switched on, and the main power indication lamp of the rear side will light up red.

Press again: ( OFF)

The main power supply will be switched off, and the main power indication lamp will go out.

Power supply socket



S-video input terminal

This terminal is for connection of the YC signals (signals in which the luminance signal and the chrominance signal are separated) from a VTR or other device equipped with an S-video terminal.
By selecting the "S-VIDEO" input selector button either inside the control compartment of the main unit or on the remote control, the video signal from this terminal can be received.

Line output terminal

This terminal outputs the signal connected to the line input terminal without making any changes in the signal.

Line input terminal

This terminal is for the connection of a standard video signal.
By selecting the "LINE" input selector button either inside the control compartment of the main unit or on the remote control, the video signal from this terminal can be received.

Remote control input 2 terminal

This terminal is used for connection of the included 5m (16.4 ft) cable and remote control receiver box.
Install the remote control receiver box connected to this terminal in a location where it will allow easy operation of the remote control.

Remote control receiver window

The included remote control is operated by aiming it either at this window or at the remote control receiver box connected to the remote control input 2 terminal.

Vertical sync input terminal

This terminal is for connection of the vertical sync signal for the analog RGB signals.

Horizontal sync · Composite sync input (H.H/V IN) terminal

This terminal is for the connection of the horizontal sync signal or the composite sync signal for the analog RGB signals.

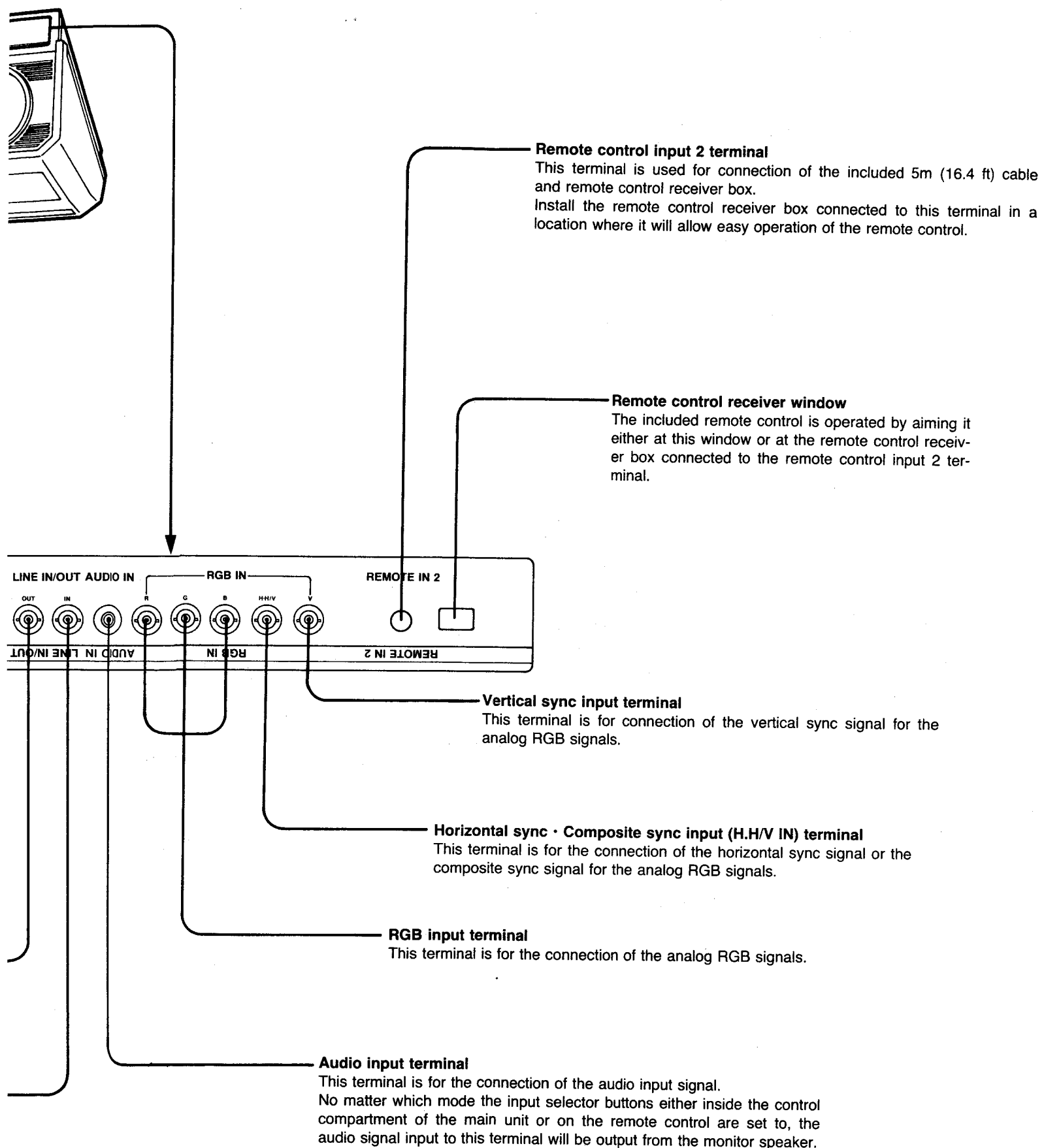
RGB input terminal

This terminal is for the connection of the analog RGB signals.

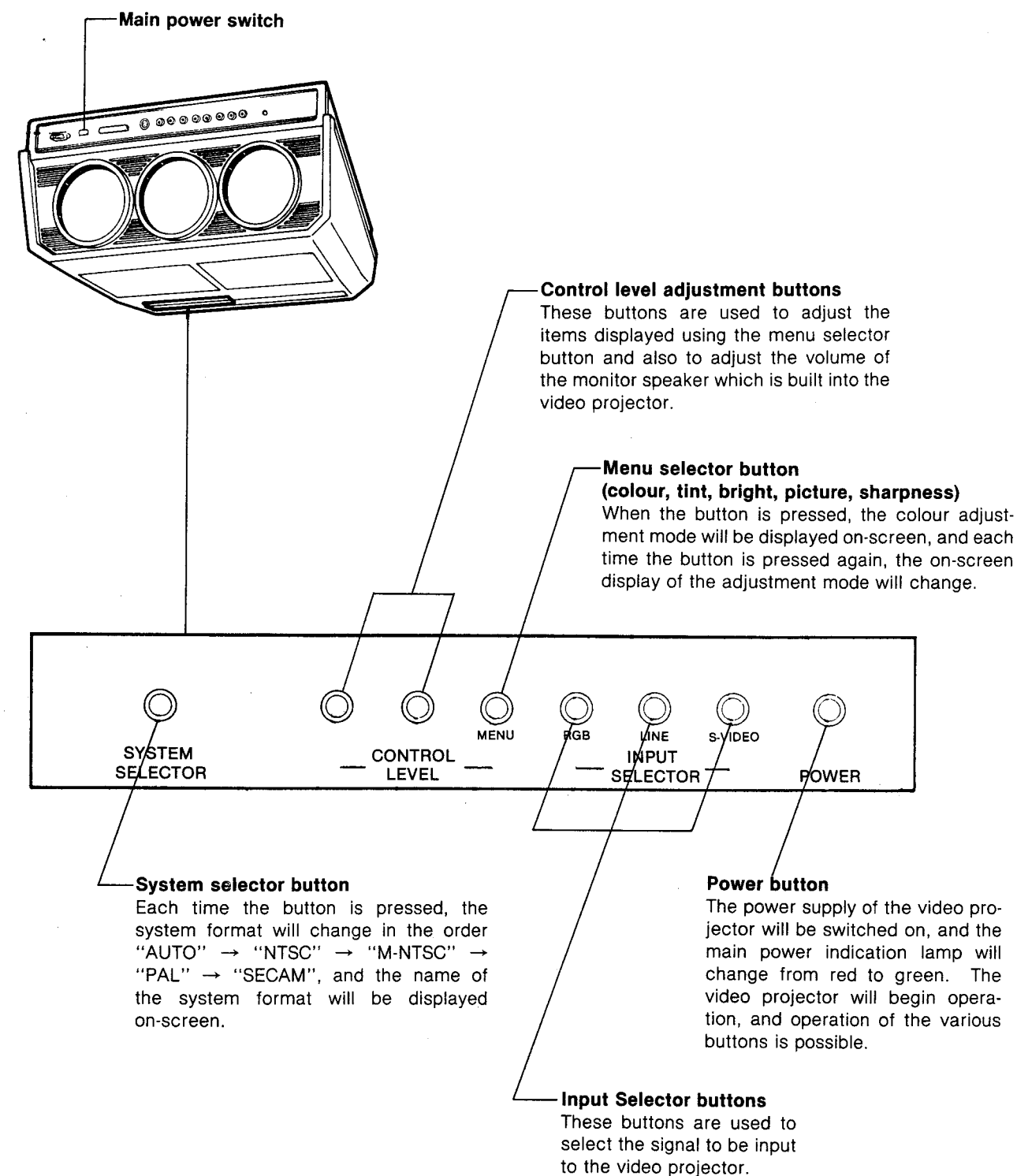
Audio input terminal

This terminal is for the connection of the audio input signal.
No matter which mode the input selector buttons either inside the control compartment of the main unit or on the remote control are set to, the audio signal input to this terminal will be output from the monitor speaker.





Control Compartment

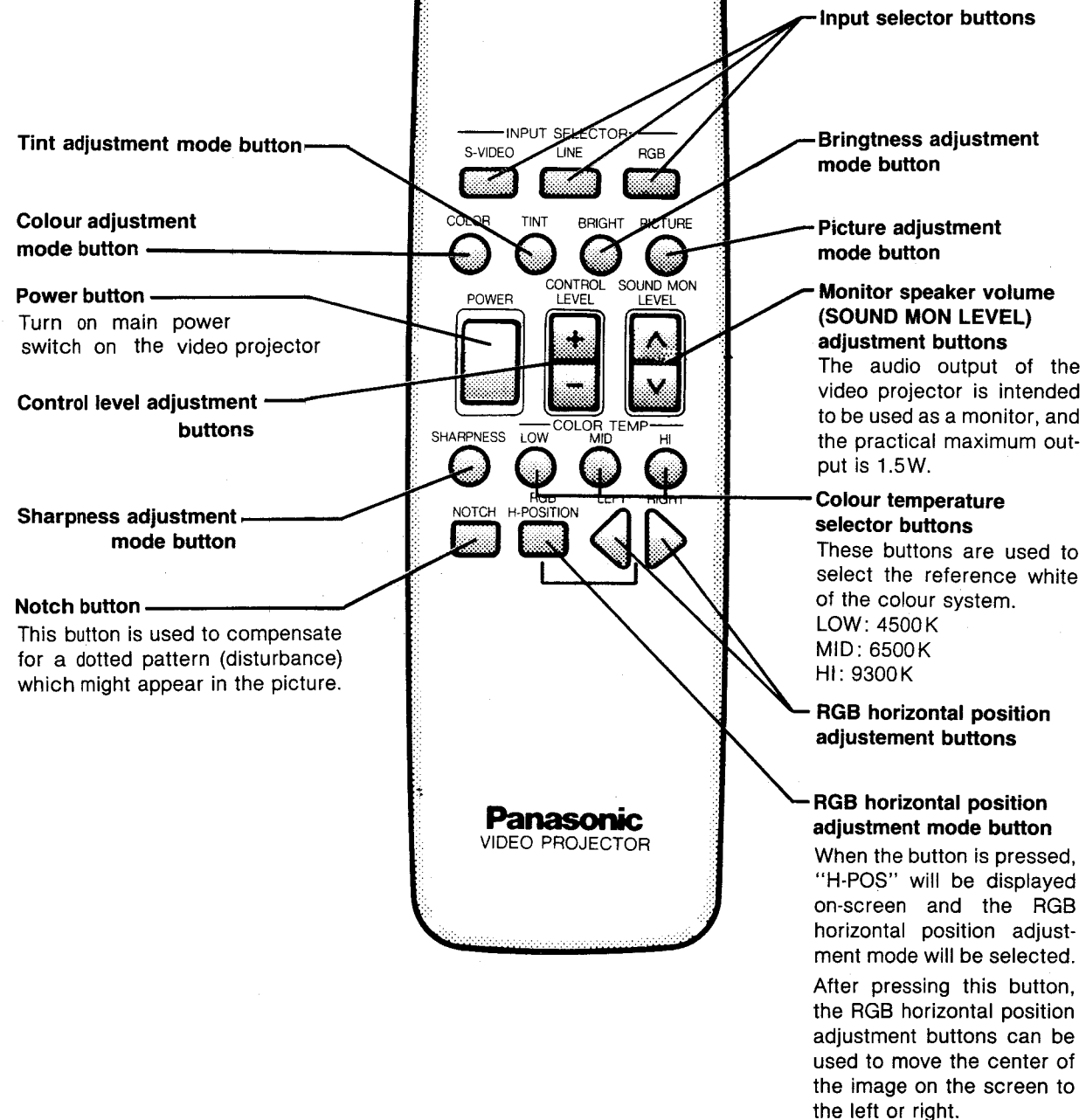


Location of the remote control

Front View

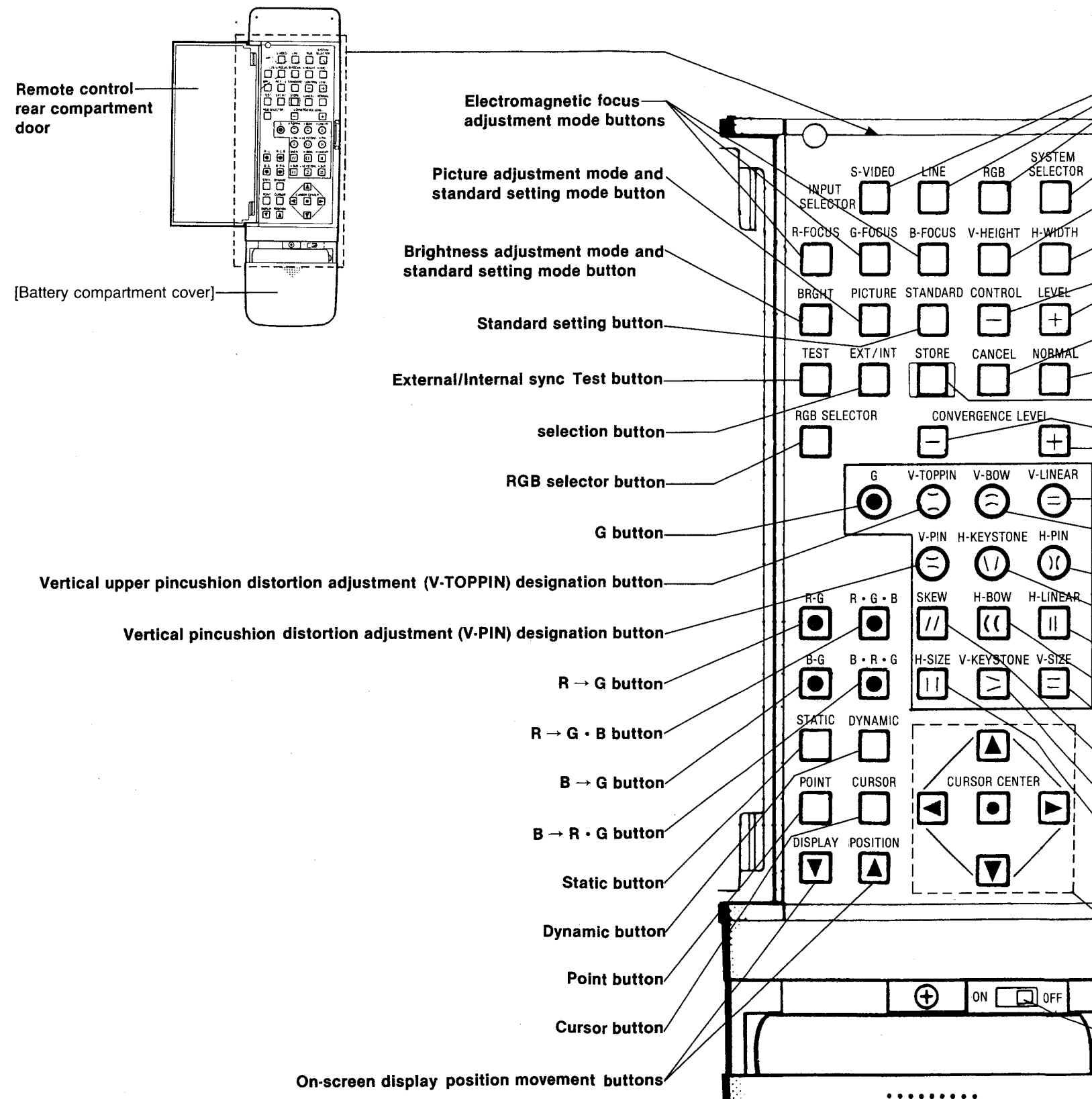
The controls for primarily for used for installation adjustments are located on the rear of the remote control. At first press the power button for adjustment.

Controls on the front of the remote control

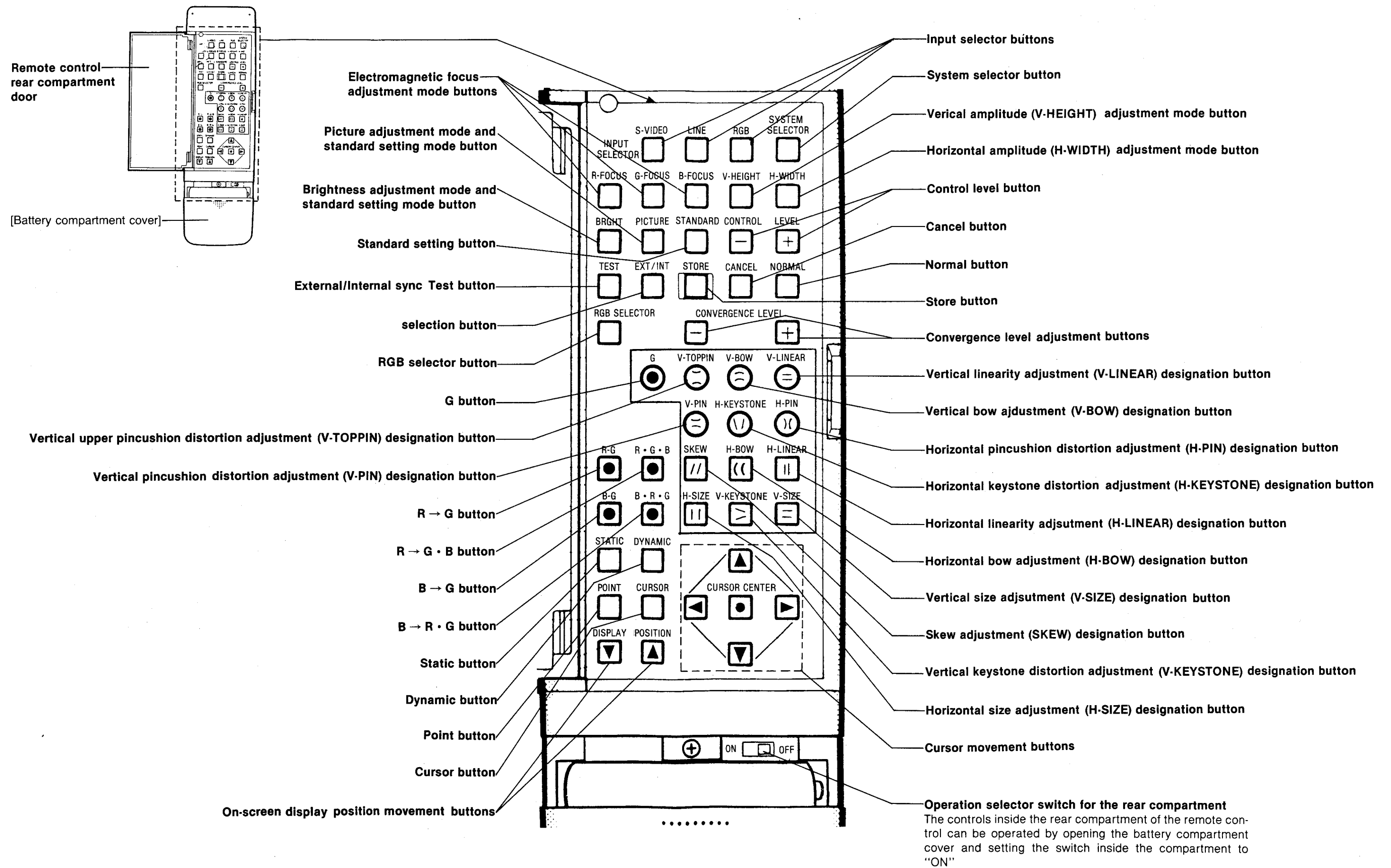


Note: During remote control using the remote control input 1 terminal on the front of the main unit, buttons POWER and INPUT SELECTOR will not function, so operate these controls via the remote control input 1 terminal.

Inside View of rear compartment door



Inside View of rear compartment door

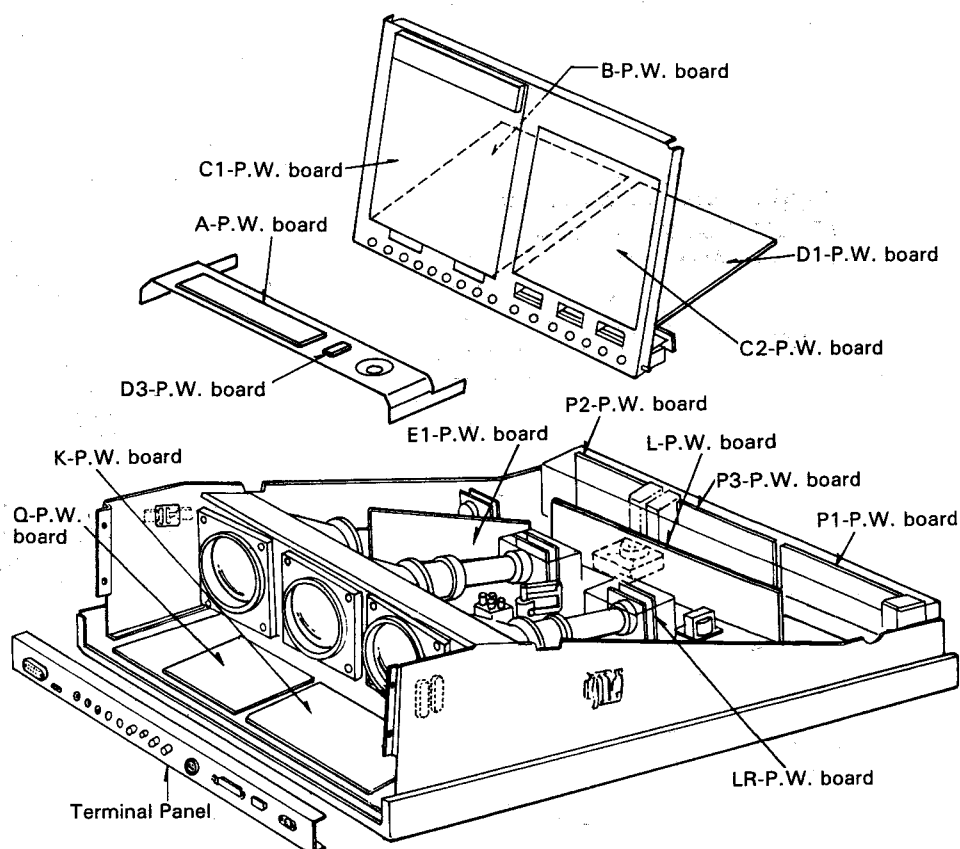


Disassembly Instructions

WARNING:

1. Before disassembly, remove the AC plug from the wall outlet.
2. When turning over a P.C. board to adjust it, be sure to lay on insulating material under it in order to prevent shorting.
3. P.C. boards and wires should not be pulled forcibly, but be handled carefully.
4. Printed boards and connectors should be handled with care-avoid handling them forcibly!

Main Parts Location



Removal of Top cover

- 1) Open the cover for the control panel.
- 2) Remove 5 screws (A) as shown in Fig. 1.
- 3) Then pull the top cover toward the back side of the deck and carefully lift it for removal.

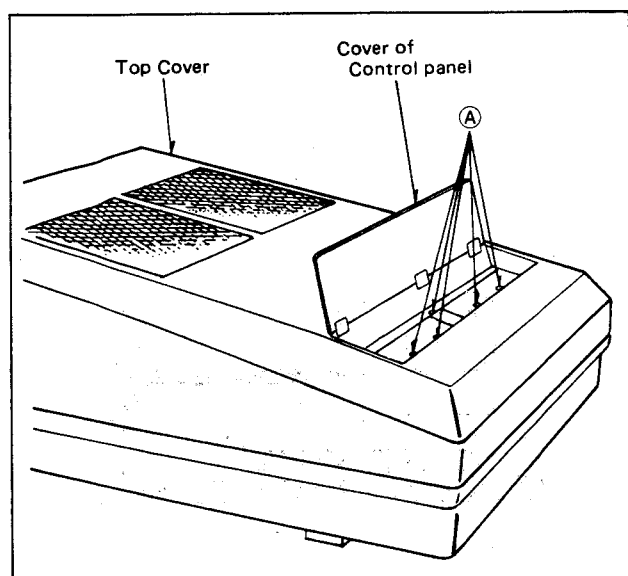


Fig. 1

Removal of Front Panel

- 1) Remove 6 screws (B) as shown in Fig. 2.
- 2) Remove 3 screws (C) as shown in Fig. 3.
- 3) Remove the Front Panel.

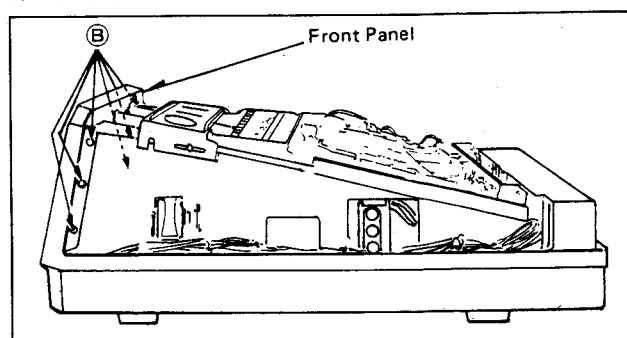


Fig. 2

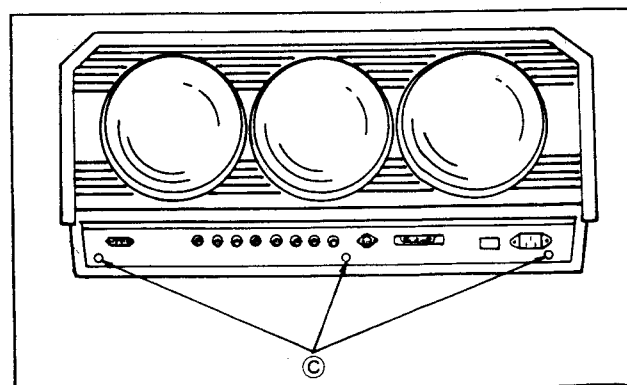


Fig. 3

Removal of P.W. board

1) C1, C2, B and D1-P.W. board

- 1) Loosen 2 screws ① counterclockwise by 90° as shown in Fig. 4.
- 2) Then lift the rear of the chassis as shown in Fig. 5.

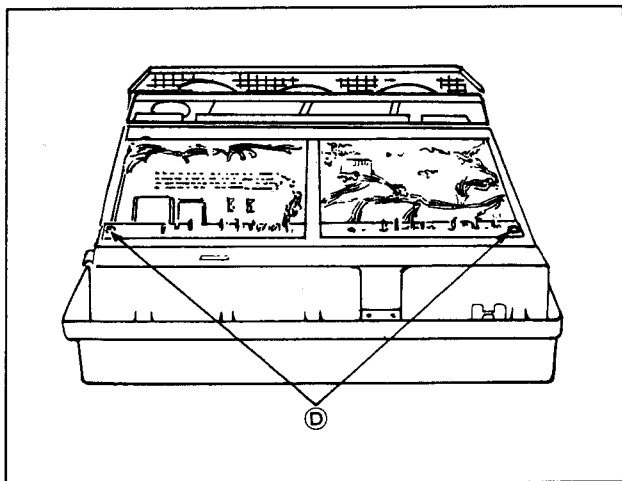


Fig. 4

- 3) Remove 2 stoppers ② and 2 claws ③ as shown in Fig. 5.
- 4) Then open the B-P.W. board as shown in Fig. 6.
- 5) Remove 2 stoppers ④ and 2 claws ⑤ as shown in Fig. 5.
- 6) Then open the D1-P.W. board as shown in Fig. 6.
- 7) Repair the board at this condition.

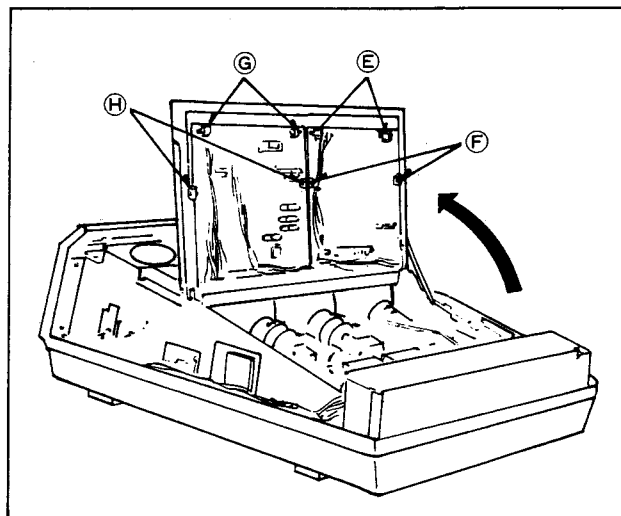


Fig. 5

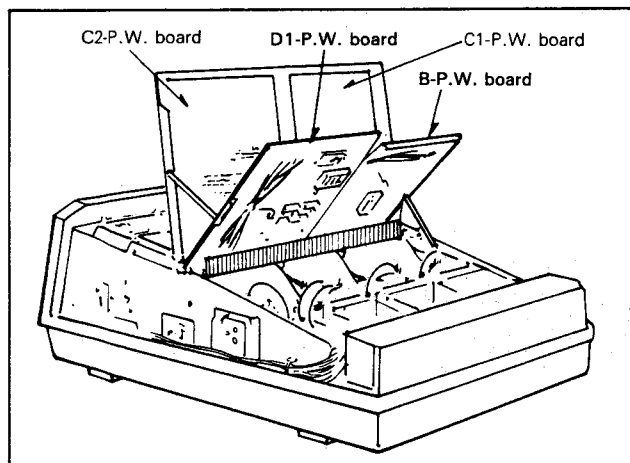


Fig. 6

2) E1-P.W. board

- Remove a screw ⑥, and remove the E1-P.W. board fixing metal as shown in Fig. 7.
- Then pull and lift the E1-P.W. board in parallel for removal.

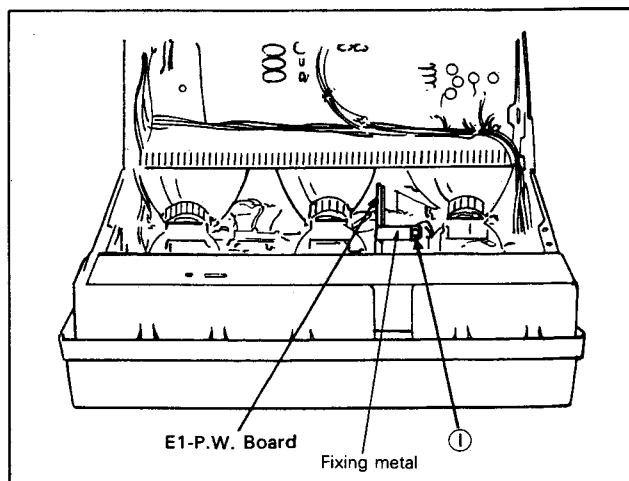


Fig. 7

3) L-P.W. board

- Remove a screw ⑩, and remove the fixing angle as shown in Fig. 8.
- Then pull and lift the L-P.W. board in parallel for removal.

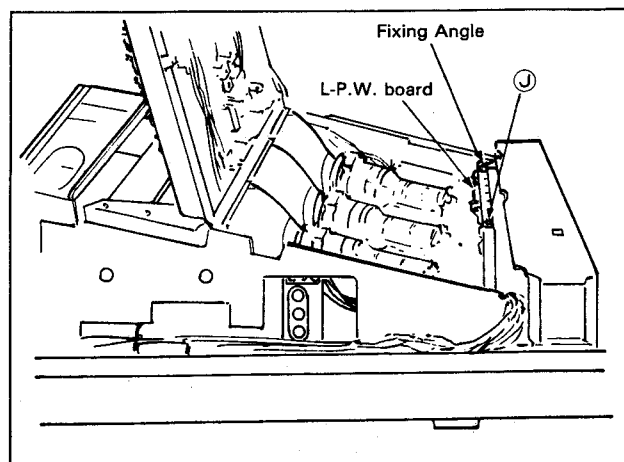


Fig. 8

4) P1, P2 and P3-P.W. boards

- 1) Remove a wires from 2 clamps ⑫.

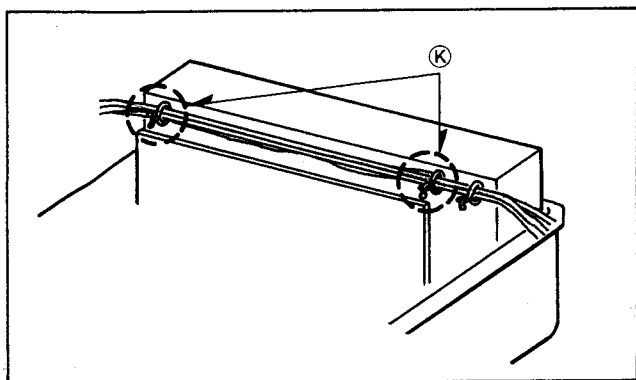


Fig. 9

Note: When assembling P1, P2 and P3-P.W. boards, fix 2 clamps ⑫ as it was before.

- 2) Remove 10 screws ⑬, and then carefully pull and lift the P1, P2 and P3-P.W. board with angle as shown in Fig. 10.

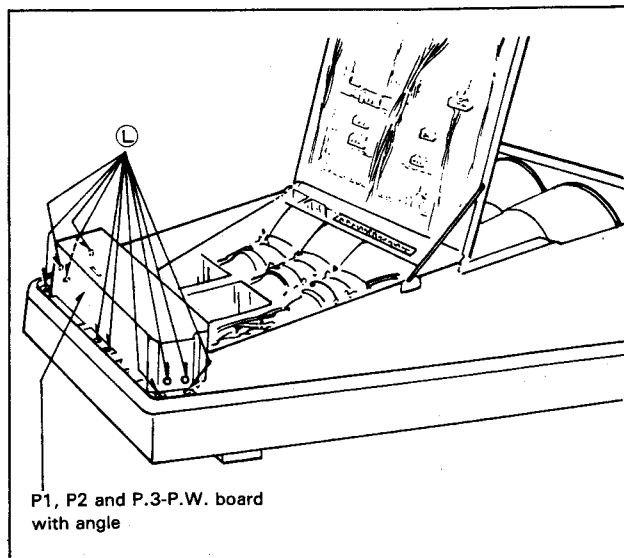


Fig. 10

5) K and Q-P.W. board

- 1) Remove the front panel.
- 2) Remove 4 screws ⑭ as shown in Fig. 11.

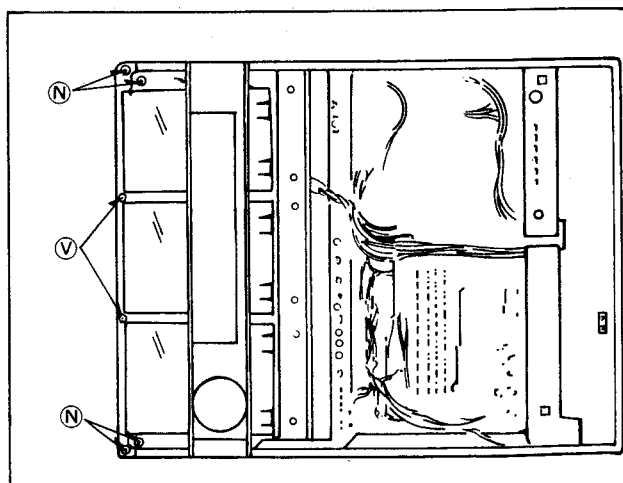


Fig. 11

- 3) Remove 2 screws (M), and remove the terminal panel as shown in Fig. 12.
- 4) Remove 2 screws (O), and remove the shield cover as shown in Fig. 12.
- 5) Remove 2 screws (V), and carefully slide the K and Q-P.W. board case forward as indicated by the arrow in Fig. 11 and Fig. 12.

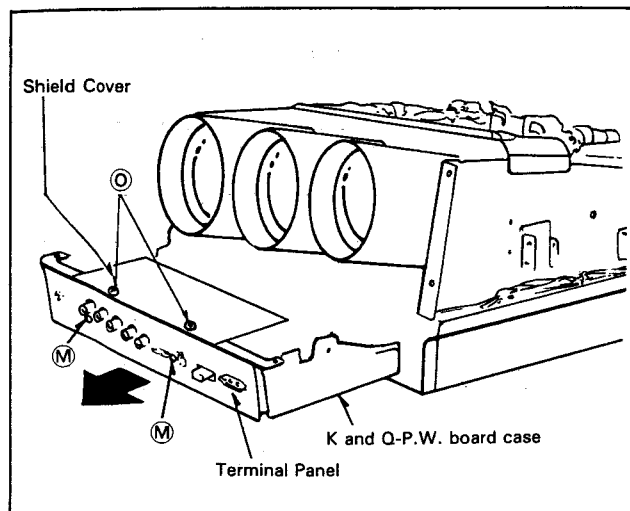


Fig. 12

6) A and D3-P.W. board

- 1) Loosen 4 screws (R) securing the A-P.W. board bracket.

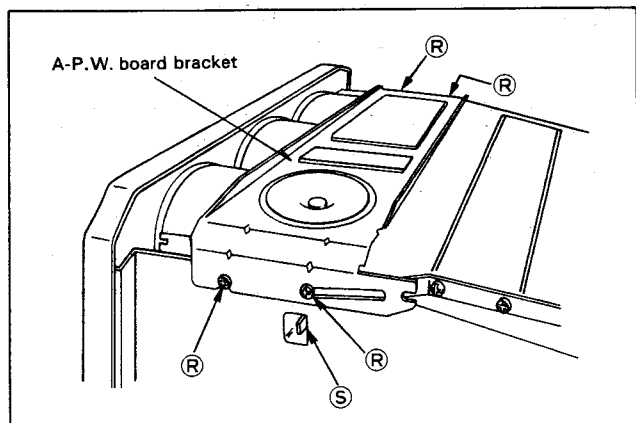


Fig. 14

- 3) Tighten the 2 screws (T) on the sliding section (if necessary), and securely fasten the A-P.W. board into the unit with the bracket raised.

- 6) Remove 6 screws (P), and remove the K-P.W. board as shown in Fig. 13.
- 7) Remove 4 screws (Q), and remove the Q-P.W. board as shown in Fig. 13.

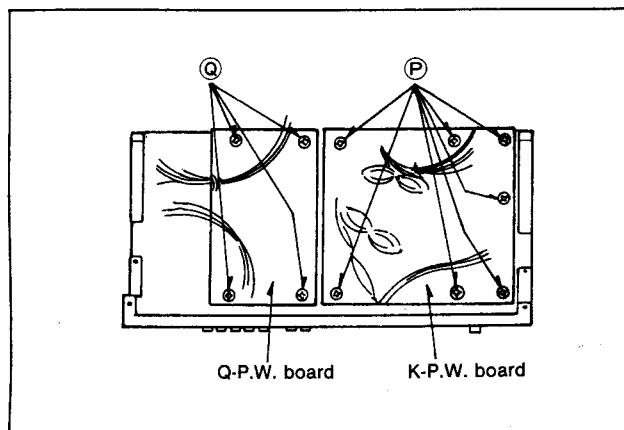


Fig. 13

- 2) Raise the A-P.W. board bracket, and fit the depression on one end of the bracket onto the hook (S) in the unit.

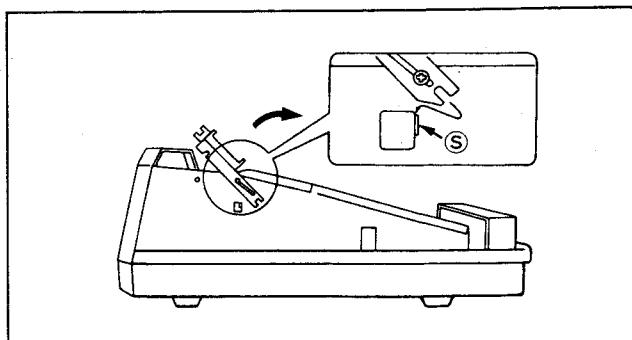


Fig. 15

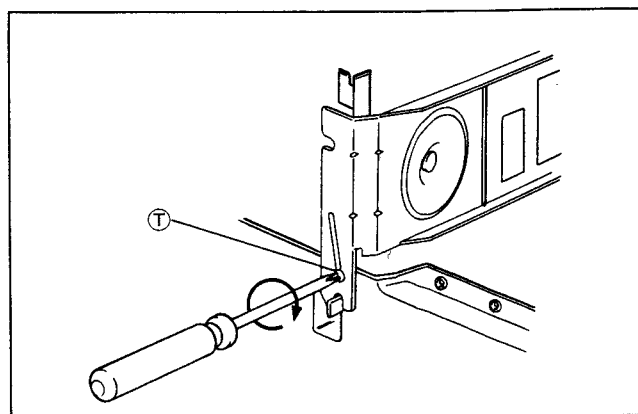


Fig. 16

Removal of Projection Tube with Lens Unit (When Red and Green)

- 1) Remove the front panel as shown in Fig. 2 and Fig. 3.
- 2) Lift the rear of the chassis as shown in Fig. 5.
- 3) Remove 3 screws ①, and remove the X-radiation shield cover as shown in Fig. 17.
Remove the anode lead from the high voltage distributor.

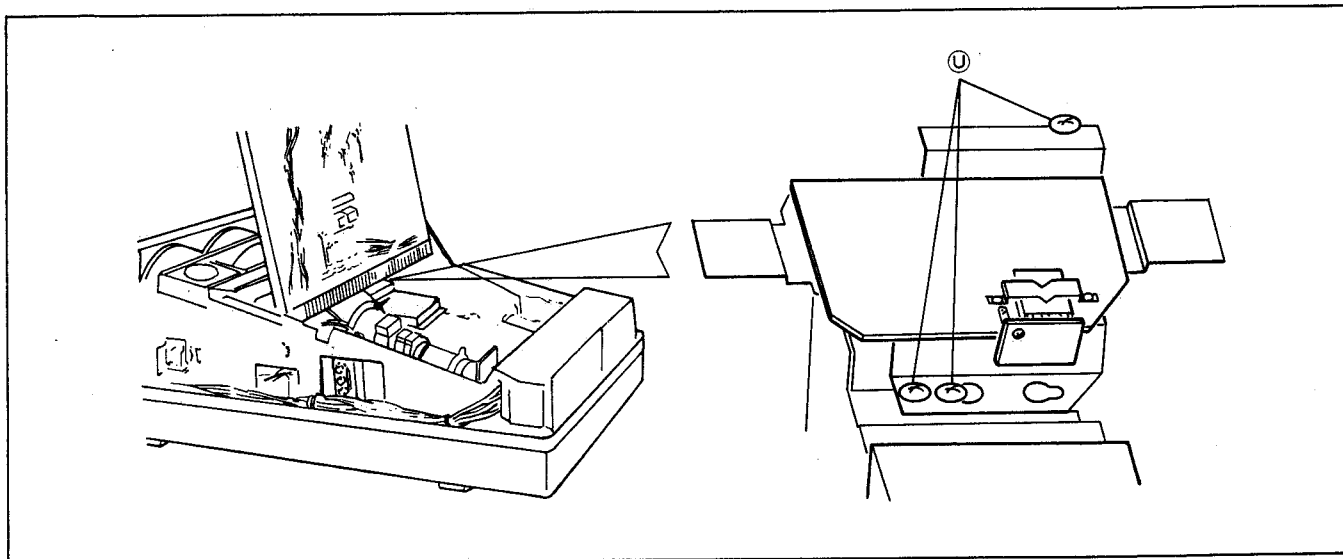


Fig. 17

- 4) Remove LR-P.W. board.
Draw out alignment magnet, focus magnet and deflection yoke by loosening their screws as shown in Fig. 18.
- 5) Remove 4 screws ② as shown in Fig. 19.
Carefully slide the projection tube with lens unit in the direction of arrow as shown in Fig. 19.

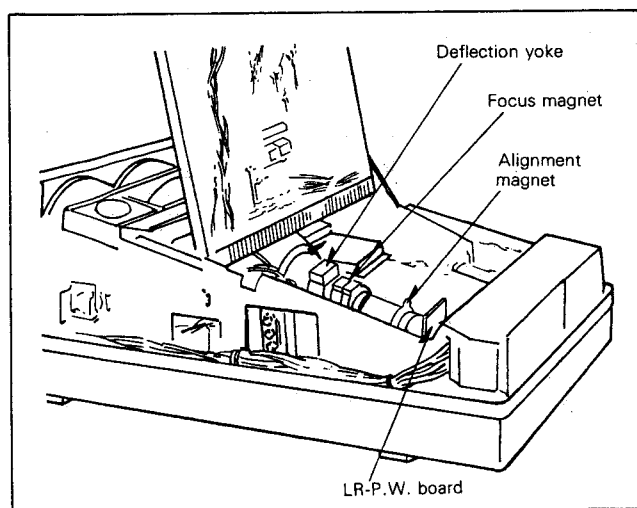


Fig. 18

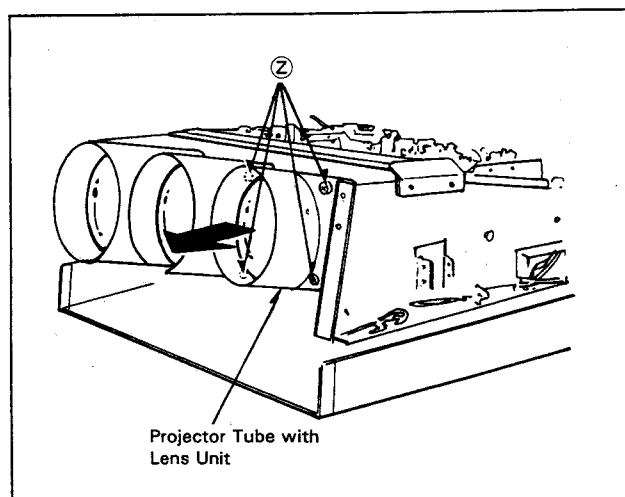


Fig. 19

Cautions for Servicing

HORIZONTAL OSC. DISABLE CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

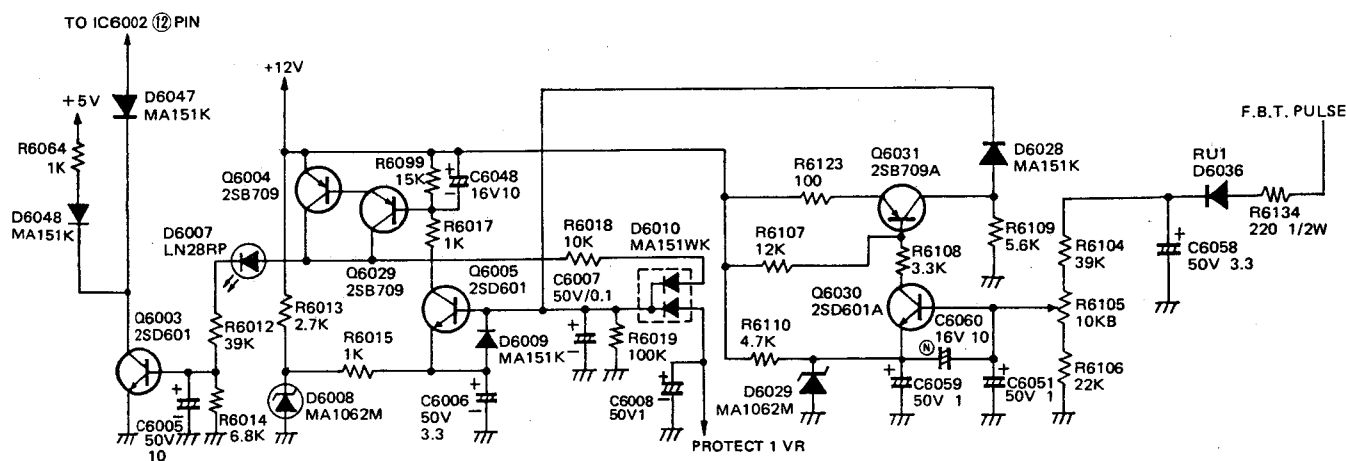
1. With the chassis case removed, supply a nominal 220 – 240V AC to the set, turn on the set.
2. Set the customer controls to normal operating positions.
3. Turn the TEST ON/OFF to ON position.
4. Turn the TEST PATTERN SW on C1-P.W.B. to VIDEO position. Connect the + side of DC voltmeter to + side of C6045 and the – side to TPE5 (Earth).
5. Short the C6008 with a jumper wire.
6. Short the R6104 with a jumper wire.

Confirm vanish the high voltage, and raster stop, and $120V \pm 10V$ on the voltmeter, and LED D6007 lighting.

7. If this does not occur, the Horizontal Osc. Disable Circuit is not operating. Follow the Horizontal Osc. Disable Circuit Repair Procedures before the set is returned to the customer.

REPAIR PROCEDURES OF THE HORIZONTAL OSCILLATOR DISABLE CIRCUIT

1. Connect a DC voltmeter between Capacitor C6058 + on the E1-P.W.B. and chassis ground. If nearly 15V is not present on that point find the cause. Check R6134, D6036, C6058, R6104, R6105 and R6106.
2. Connect the + side of DC voltmeter to collector of Q6003 and the – side to TPE5 (Earth). The collector of Q6003 potential varies from nearly 10V to nearly 0.2V when shorting R6104. If this does not occur, check C6051, C6060, C6059, Q6030, R6108, D6029, R6110, Q6031, R6123, R6109, D6028, C6007, R6019, D6010, R6018, D6009, C6006, Q6005, R6015, R6017, R6099, C6048, Q6029, Q6004, D6008, R6013, D6007, R6012, R6014, C6005, R6107 and Q6003.
3. Carefully check the above specified parts and related circuits and parts.
When the circuit is repaired, try the Horizontal Osc. Disable Circuit Test again.
4. In case that at least one of R6104, R6105, R6106, D6029 and the FBT is replaced, follow Adjustment Procedure of Horizontal Osc. Disable Circuit as follows.



ADJUSTMENT PROCEDURE OF THE HORIZONTAL OSCILLATOR DISABLE CIRCUIT

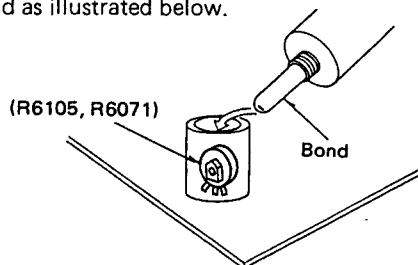
Replace R6105 (Protector 2 Adj.) and R6071 (HV Adj.) before this adjustment. R6105 (Protector 2 Adj.) and R6071 (HV Adj.) are manufactures specified parts only.

- Set the following controls at the positions indicated.
Input Signal Selector SW (S7006) LINE
TV-System Selector SW (S7001) AUTO
R6071 (HV Adj.) Fully Counter-clockwise
R6105 (Protector 2 Adj.) . . . Fully Counter-clockwise
Connect the + (positive) side of DC voltmeter to **TPE1** and - (negative) side to **TPE2** on E-Board.
- Connect the high voltage meter to anode lead of the distributor as shown in Fig. 1.
- Turn on the Power Switch, and receive a monoscope pattern signal.
- Connect a short jumper between **TPB16** and **TPB17** on B-Board and between **TPE6** and **TPE5**, and C6008 both sides.
- Adjust R6071 (HV Adj.) the Brightness control and the Contrast control to obtain ($34\text{kV} \pm 0.3\text{kV}$) on the high voltage meter, and obtain ($1.9\text{V} \pm 0.05\text{V}$) on the voltage meter.

CAUTION:

Use only a Static Type of High Voltage Meter which has a 5% tolerance at 40 kV.

- Adjust R6105 (Protector 2 Adj.) slowly clockwise until shut-down occurs and hold that position.
- Turn off the power switch.
- Adjust R6071 (HV Adj.) slightly counter-clockwise.
- Turn on the power switch.
- Adjust R6071 (HV Adj.) slowly clockwise until shut-down occurs High Voltage should be $34\text{kV} \pm 0.5\text{kV}$, and $1.9\text{V} \pm 0.05\text{V}$ on the voltage meter just before shut-down.
- If the readings in step 10 are not confirmed, repeat steps 5 to 10.
- Turn off the power switch.
- Disconnect the short jumper between **TPB16** and **TPB17** and between **TPE6** and **TPE5**, and C6008 both sides.
- Turn on the power switch, and confirm that the high voltage is $32.0\text{ kV} \pm 0.5\text{ kV}$.
- Confirm that the high voltage does not change by turning the Brightness and Contrast controls.
- Fix R6105 (Protector 2 Adj.) and R6071 (HV Adj.) with bond as illustrated below.



DISCONNECTION OF ANODE LEAD FROM THE DISTRIBUTER AND CONNECTION OF HIGH VOLTAGE METER.

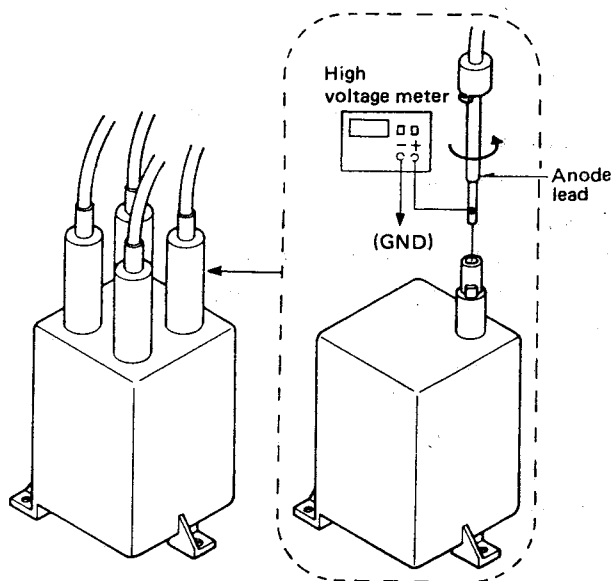


Fig. 1

X-RAY PRECAUTIONS

The front area (between the projection tube and the lens.) is enclosed by a metal box to ensure positive safety during abnormal and normal conditions when checking and doing repair work. To fully ensure safety, however, the following precautions must be observed.

- Do not remove the lens.
- Be sure to turn OFF the power when the lens must be removed and when you could be exposed to X-rays during cleaning and other routine servicing.
- Do not remove the lens to check the projection tube for operation by watching it directly.
- Do not remove the LEAD TAPE on the CRTs.
- Do not remove the METAL COVER on the CRTs.

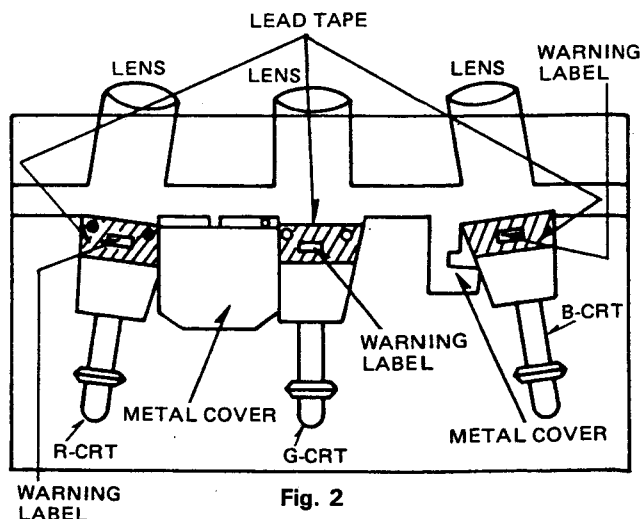


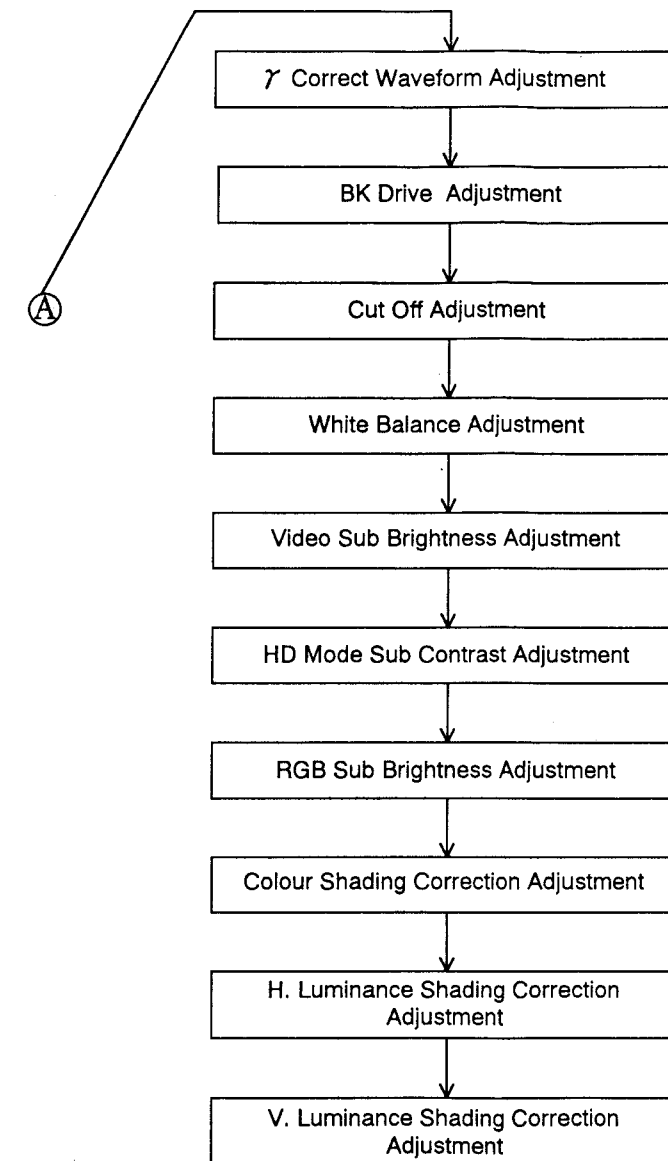
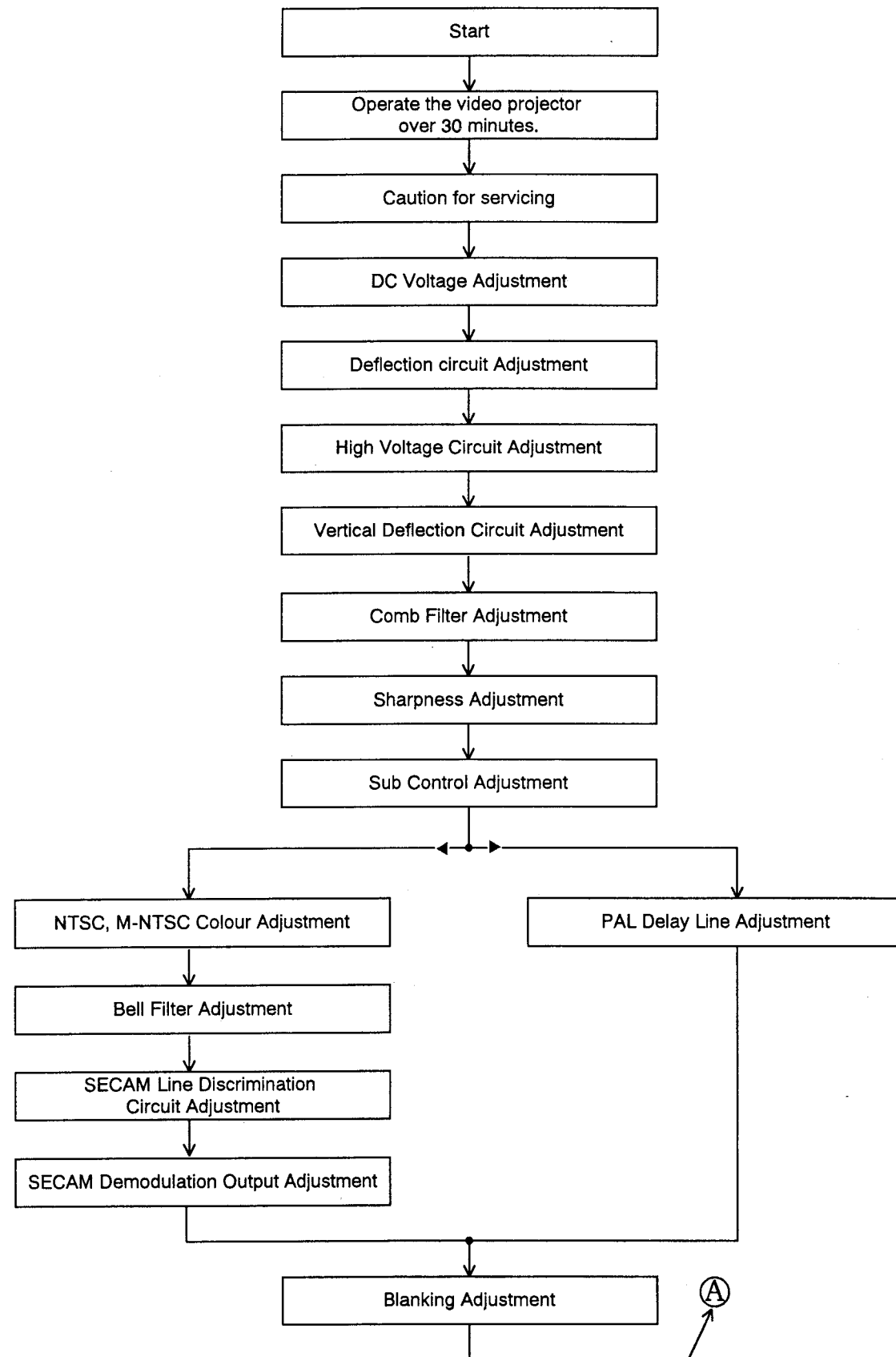
Fig. 2

Measurements and Adjustments

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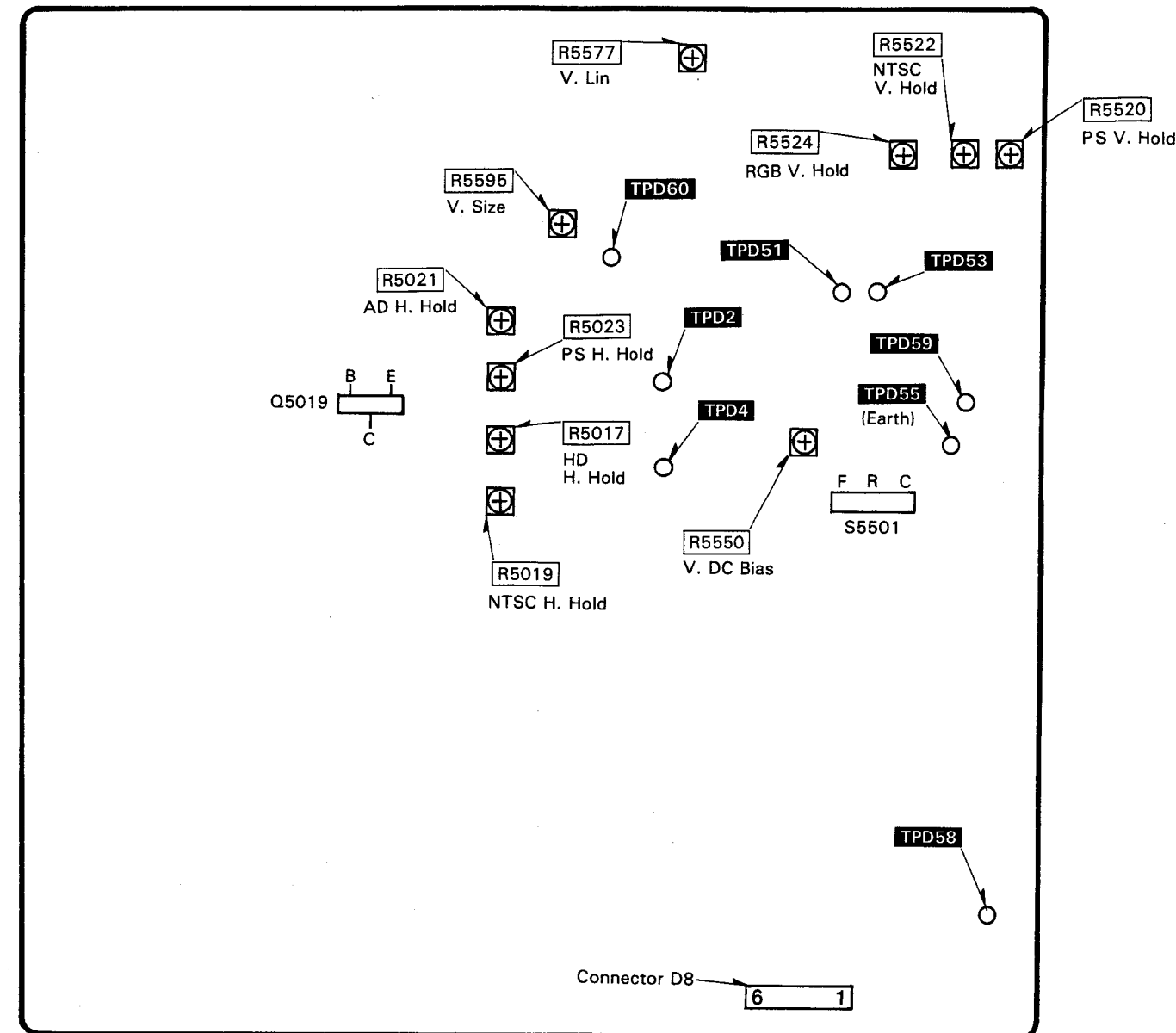
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Adjustment Procedure Flowchart

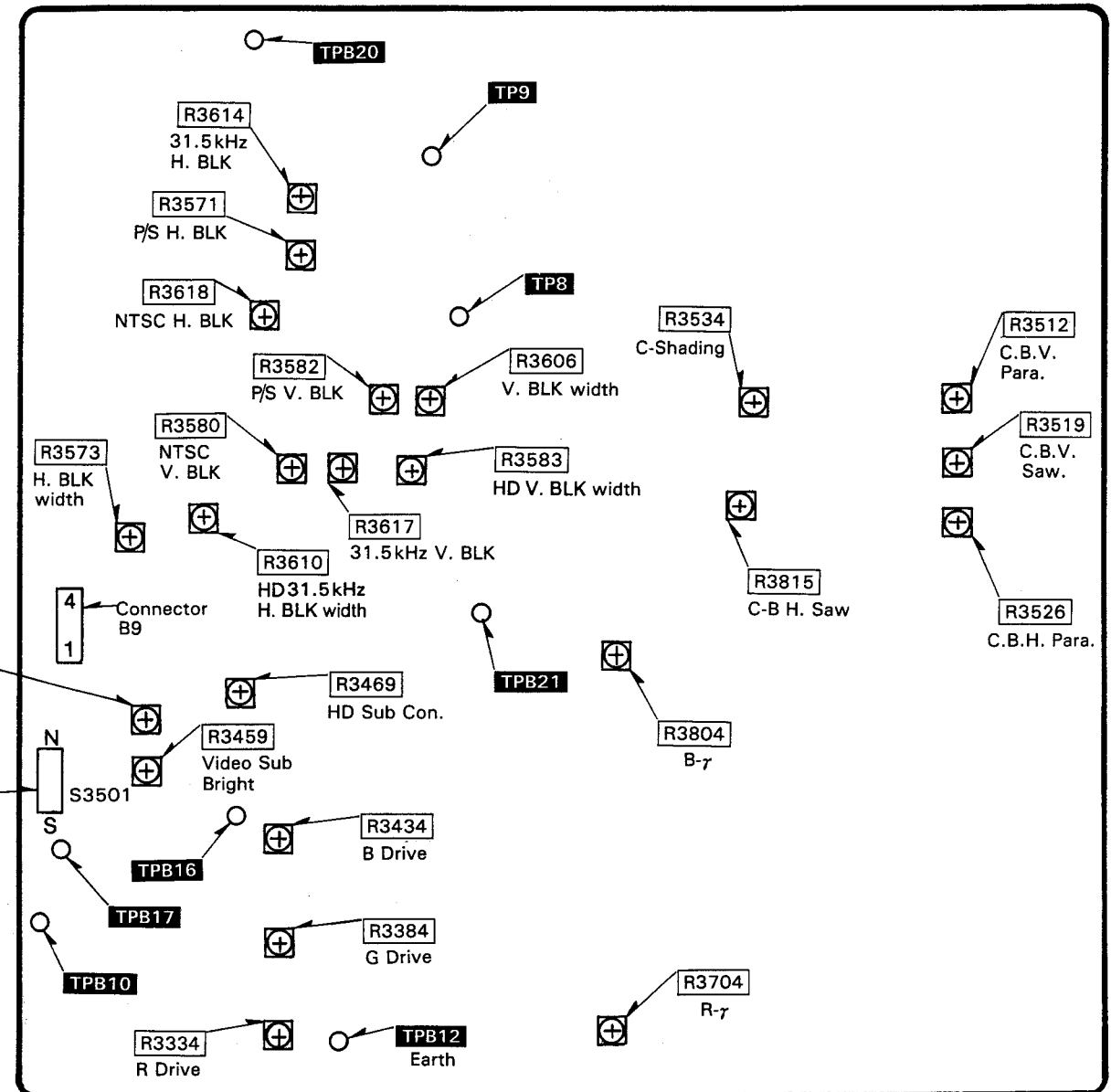


Location of Test Points and Controls

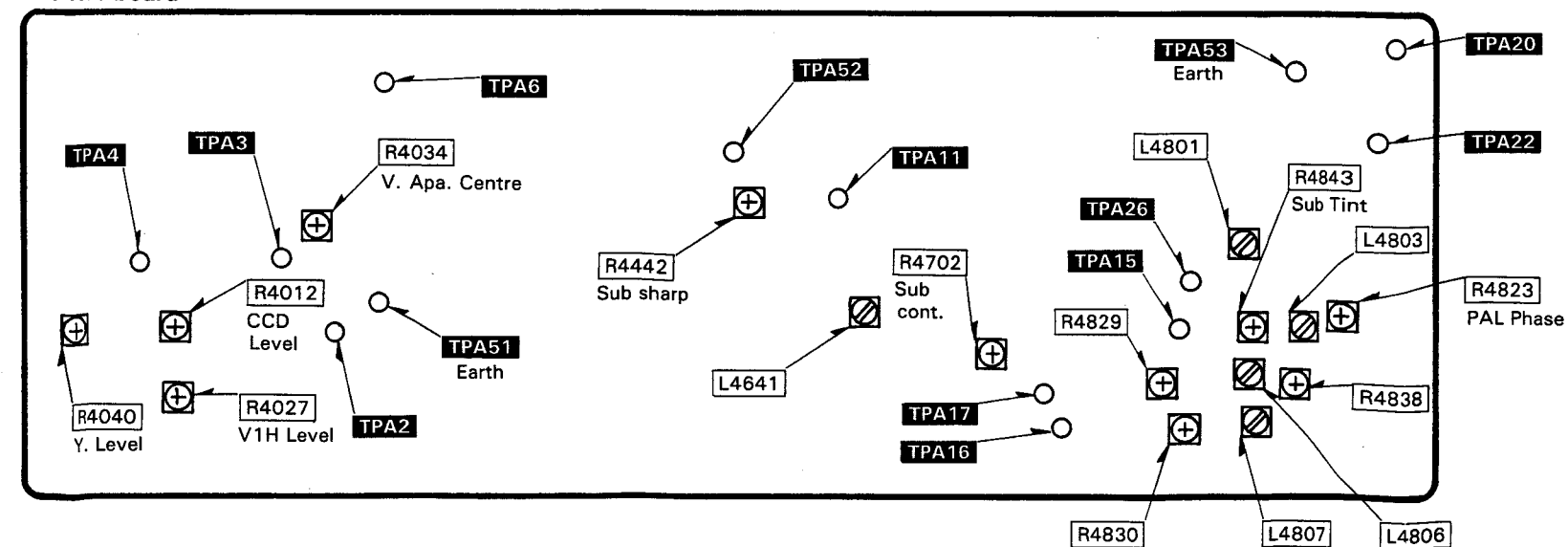
D1-P.W. board



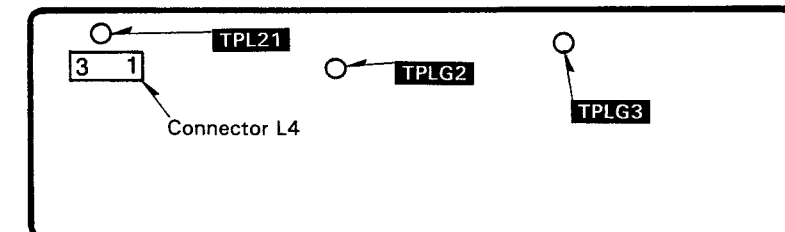
B-P.W. board



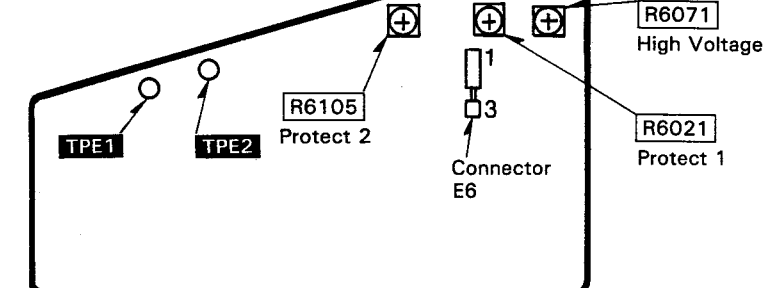
A-P.W. board



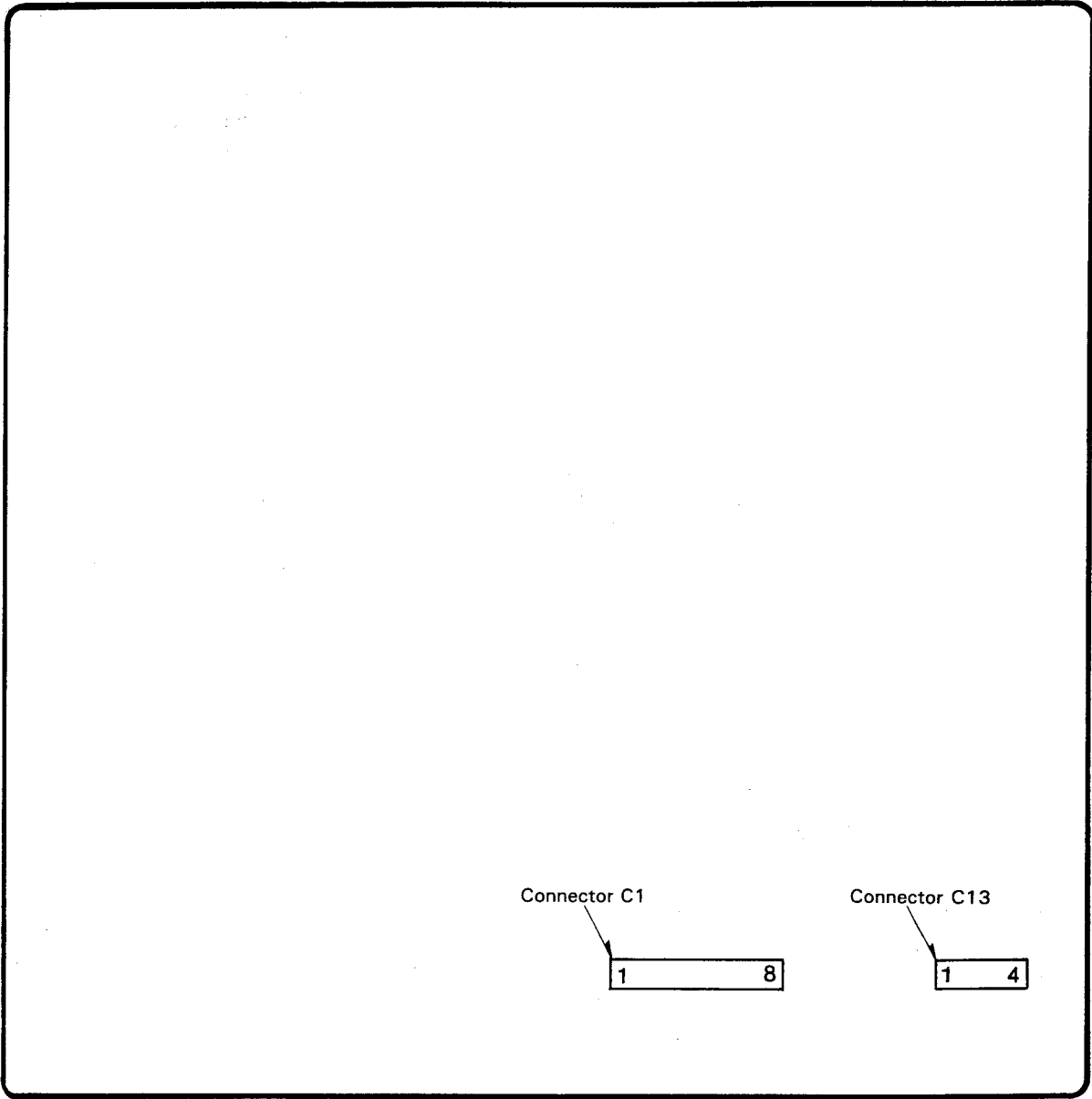
L-P.W. board



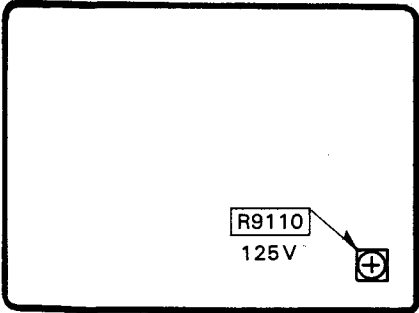
E1-P.W. board



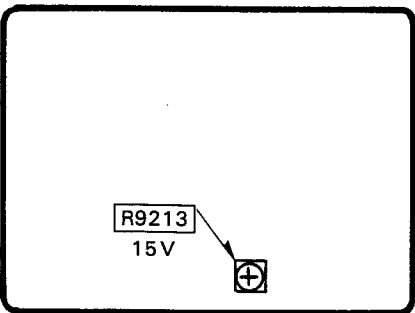
C1-P.W. board



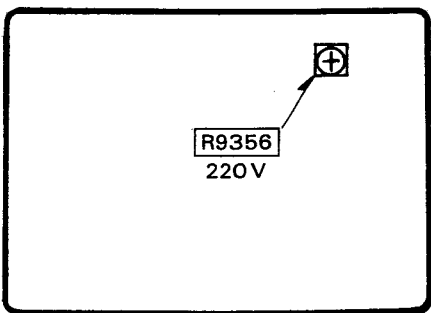
P1-P.W. board



P2-P.W. board



P3-P.W. board



Caution for Adjusting

Note 1: 1. When a screwdriver is needed during adjustment, use a non-metallic screwdriver to prevent unexpected short-circuits.

2. Transformer core position. (Application for both Field Adjustment and General alignment.)
Unless otherwise noted, a transformer core which has two tuning peak points should be adjusted at the lower position as shown in Fig. 1.

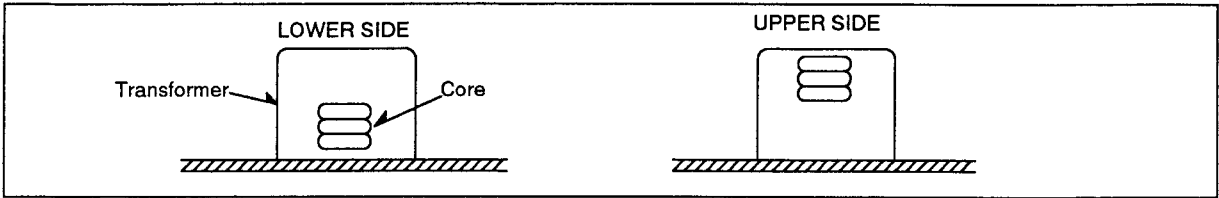


Fig. 1

Note 2: 1. Colour video/data projector are badly affected by magnetic fields. All efforts must be made to keep transformers, iron plates, or anything else likely to distort the magnetic field well away from a colour video/data projector. If magnetic influence is expected, steps should be taken to eliminate the magnetic field.

2. Input signals should be 1Vp-p video signal, 0.3V synchronizing signal, standard (−10 dB) audio signal or 0.7Vp-p RGB signals with positive polarity, 1Vp-p 3 dB H.V. synchronizing signal with negative polarity.

DC Voltage Adjustment

— P2-P.W. board Adjustment —

- 1. **Equipment to Used**
Digital Voltmeter
Video Generator
- 2. **Initialize Condition**
Brightness controlMinimum
Picture controlMinimum
- 3. **Adjustment Procedure**
 - 1. Input a NTSC monoscope pattern signal to line input terminal
 - 2. Connect a digital voltmeter to **TPB21** and **TPB20** (Earth).

- 3. Adjust R9213 (15V adj.) so that the voltage is $15.5V \pm 0.2V$.
- 4. Connect a digital voltmeter between each measurement points and chassis earth.
- 5. Check below for the indicated measurement points and their specified voltages. (See Tabel 1)

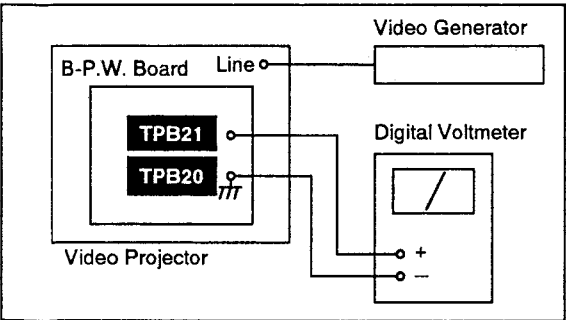


Fig. 2

Measurement Points		Voltage
Pin ① of connector C1	(CI-P.W. Board)	+30 ± 1.5V
Pin ② of connector C1		+16 ± 1.0V
Pin ③ of connector C1		+10 ± ⁺² ₋₀ V
Pin ⑦ of connector C1		− 16 ± 1.0V
Pin ⑧ of connector C1		− 30 ± 1.5V
TPLG2 (L-P.W. board)		+6 ± 0.3V

Table 1

— P3-P.W. board Adjustment —

1. Equipment to Used

Digital Voltmeter

Video Generator

2. Initialize Condition

Brightness control Minimum

Picture control Minimum

3. Adjustment Procedure

1. Input a NTSC monoscope pattern signal to line input terminal

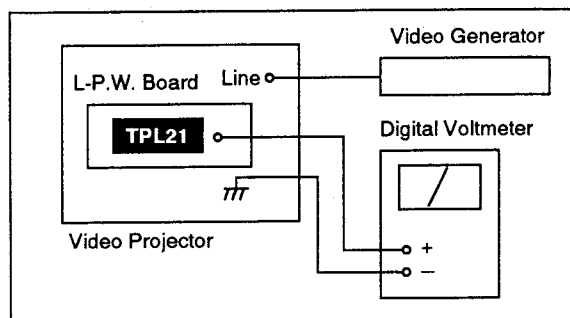
2. Connect a digital voltmeter to **TPL21** and chassis earth.

Fig. 3

3. Adjust R9356 (220V adj.) so that the voltage is $220 \pm 2.0V$.

4. Connect a digital voltmeter between each measurement points and chassis earth.

5. Check below for the indicated measurement points and their specified voltages.

(See table 2)

Measurement Points		Voltage
Pin ⑤ of connector D8	(D1-P.W. board)	$+118 \pm 3.0V$
Pin ④ of connector D8		$+78 \pm 3.0V$
Pin ① of connector C13	(C1-P.W. board)	$+9 \pm 0.5V$
Pin ② of connector C13		$+9 \pm 0.5V$

Table 2

— P1-P.W. board Adjustment —

1. Equipment to Used

Digital Voltmeter

Video Generator

2. Initialize Condition

Brightness control Minimum

Picture control Minimum

3. Adjustment Procedure

1. Input a NTSC monoscope pattern signal to line input terminal

2. Connect a digital voltmeter to pin ③ of connector E6 and chassis earth.

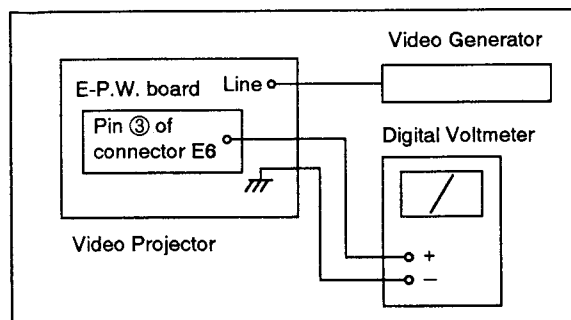


Fig. 4

3. Adjust R9110 (125V adj.) so that the voltage is $125 \pm 1.0V$.

4. Connect a digital voltmeter to pin ① of connector B9 and chassis earth.

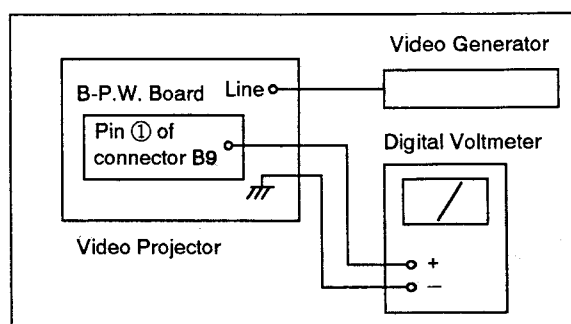


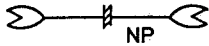
Fig. 5

5. Confirm that the voltage is $-150 \pm 15V$.

Deflection Circuit Adjustment

— H. Sync. Adjustment — (D1-P.W. board)

1. Equipment to Used

Frequency Counter
 Programmable Video Generator
 Jumper Wire Jig; 
 16V 10 μ F

2. Initialize Condition

All control on D1-P.W. board Centre
 (See page 21)

3. Adjustment Procedure

1. Set the input selector to LINE mode.
2. Set the system selector to PAL mode.
3. Connect a jumper wire jig between **TPD2** and **TPD4**.
4. Input a PAL phillips pattern signal to line input terminal.

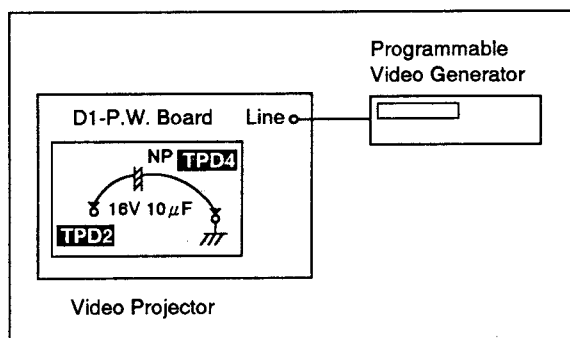


Fig. 6

5. Adjust R5023 (P/S H. Hold) so that the picture is synchronized.
6. Disconnect a jumper wire jig, confirm that the picture is synchronized.
7. Set the system selector to NTSC mode.
8. Input NTSC monoscope pattern signal to line input terminal.
9. Connect a jumper wire jig between **TPD2** and **TPD4**. (See Fig. 6)
10. Adjust R5019 (NTSC H. Hold) so that the picture is synchronized.
11. Disconnect a jumper wire jig, confirm that the picture is synchronized.
12. Set the input selector to RGB mode.

13. Input a monoscope pattern signal ($f_H = 31.5$ kHz, $f_V = 60$ Hz) to RGB input terminal.
14. Connect a jumper wire jig between **TPD2** and **TPD4**.
15. Connect a frequency counter to Q5019 © and chassis earth.

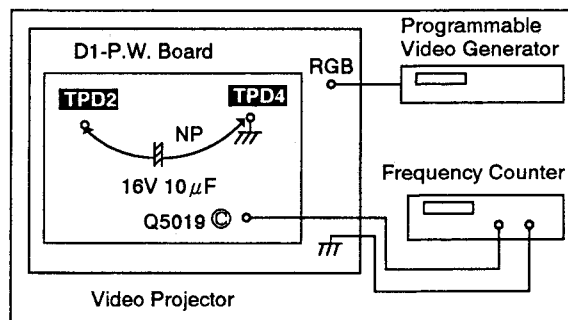


Fig. 7

16. Adjust R5021 (AD H. Hold) so that the picture is synchronized.
17. Confirm that the frequency is 31.5 ± 0.05 kHz.
18. Disconnect a jumper wire jig, confirm that the picture is synchronized.
19. Input a monoscope pattern signal ($f_H = 33.75$ kHz, $f_V = 60$ Hz) to RGB input terminal.
20. Connect a jumper wire jig between **TPD2** and **TPD4**. (See Fig. 7)
21. Adjust R5017 (HD H. Hold) so that the picture is synchronized.
22. Confirm that the frequency is 33.75 ± 0.05 kHz.
23. Disconnect a jumper wire jig, confirm that the picture is synchronized.

— V. Sync. Adjustment — (D1-P.W.board)

1. Equipment to Used

Oscilloscope
Short Jumper Wire
Programmable Video Generator

2. Adjustment Procedure

1. Set the input selector to LINE mode.
2. Set the system selector to AUTO mode.
3. Connect a short jumper wire between **TPD51** and **TPD55** (earth).
4. Connect a frequency counter to **TPD59** and **TPD55** (earth).

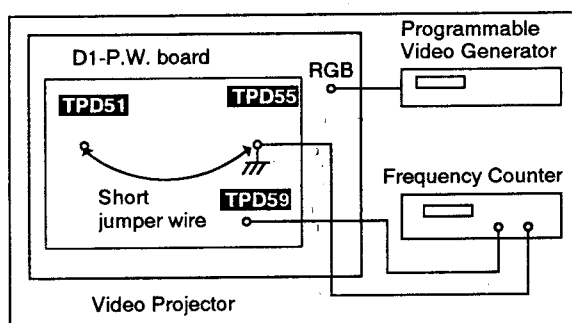


Fig. 8

5. Input a NTSC monoscope pattern signal to line input terminal.
6. Adjust R5522 (NTSC V. Hold) so that the frequency is 50 ± 2 Hz.
7. Disconnect a short jumper wire, confirm that the V. Sync. is holding.
8. Input a PAL Phillips pattern signal to line input terminal.
9. Connect a short jumper wire between **TPD51** and **TPD55** (earth).

10. Adjust R5520 (P/S V. Hold) so that the frequency is 41 ± 2 Hz.
11. Disconnect a short jumper wire, confirm that the V. Sync. is holding.
12. Set the input selector to RGB mode.
13. Input a monoscope pattern signal ($f_H = 31.5$ kHz, $f_V = 60$ Hz) to RGB input terminal.
14. Connect a short jumper wire between **TPD53** and **TPD55** (earth).

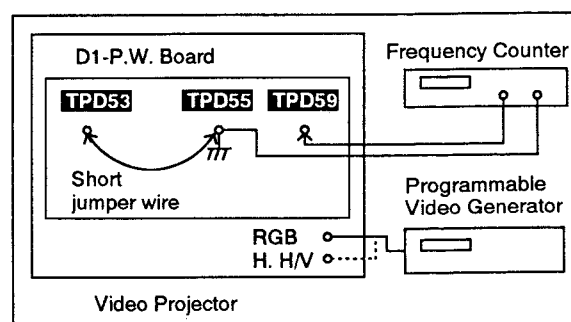


Fig. 9

15. Adjust R5524 (RGB V. Hold) so that the frequency is 45 ± 1 Hz.
16. Disconnect a short jumper wire, confirm that the V. Sync. is holding.
17. Input a H.V. composite Sync. to RGB H. H/V input terminal. (See Fig. 9)
18. Confirm that the V. Sync. is holding.

High Voltage Circuit Adjustment (B/E1-P.W. board)

— Protection Circuit Adjustment —

1. Equipment to Used

High Voltage Meter
Digital Voltmeter
Short Jumper Wire
Video Generator

2. Adjustment Procedure

1. Fully turn R6071 (High voltage) counter-clockwise.
2. Input a monoscope pattern signal to line input terminal.
3. Connect a high voltage meter to high voltage distributor.
4. Connect a digital voltmeter between **TPE1** and **TPE2**.
5. Connect a short jumper wire between **TPB16** and **TPB17**.

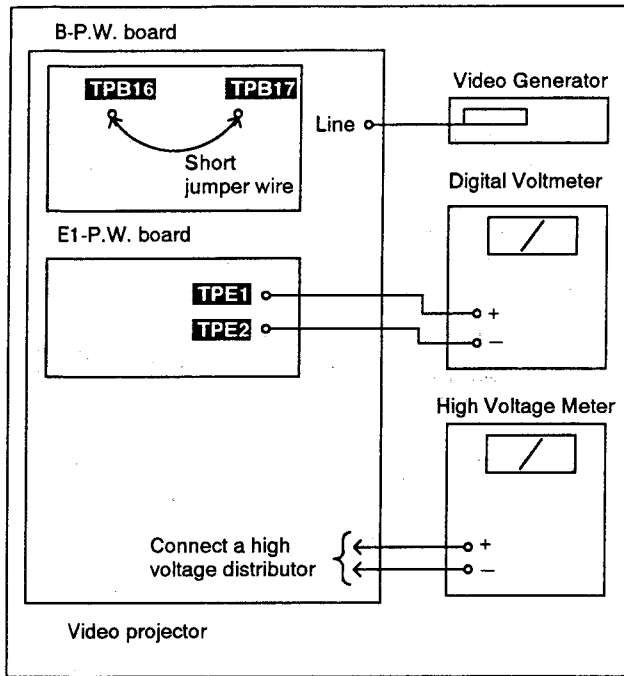


Fig. 10

6. Adjust R6071 (High voltage), picture control and brightness control so that the value of high voltage is 34 ± 0.3 kV and value of voltage is 1.7 ± 0.05 V.
7. Slowly turn R6105 (Protect) counterclockwise, fix R6105 that shut down is move.
8. Fully turn R6071 (High voltage) counterclockwise.
9. Turn off AC power switch.

10. Re-turn on AC power switch.
11. Adjust R6071 (High voltage) so that the value of high voltage is 34 ± 0.5 kV.
12. Confirm that the shut down is move.
13. Confirm that the value of voltage is 1.7 ± 0.05 V before moving the shut down.
14. If value of voltage is not 1.7 ± 0.05 V, repeat step 1 to 14.
15. Fully turn R6071 (High voltage) counterclockwise.
16. Set the picture control and brigfhtness control to minimum.
17. Adjust R6071 (High voltage) so that the value of high voltage is 34 ± 0.3 kV.
18. Slowly turn R6021 (Protect) counterclockwise, fix R6021 that shut down is move.
19. Fully turn R6071 (High voltage) counterclockwise.
20. Turn off AC power switch.
21. Re-turn on AC power switch.
22. Adjust R6071 (High voltage) so that the value of high voltage is 34 ± 0.5 kV.
23. Confirm that the shut down is move.
24. If value of high voltage is not 34 ± 0.5 kV, repeat step 15 to 24.
25. Fix R6105 and R6021 by silicon bond.

— High Voltage Adjustment —

1. Equipment to Used

High voltage Meter
Video Generator

2. Adjustment Procedure

1. Input a monoscope pattern signal to line input terminal.
2. Set the picture control and brightness control to minimum for be deep black the picture.
3. If picture is not deep black, adjust R3459 (Video Sub bright).
4. Connect a high voltage meter to high voltage distributor.
5. Adjust R6071 (High voltage) so that the value of high voltage is 32 ± 0.5 kV.
6. Set the picture control and brightness control to maximum.

7. Confirm that the value of high voltage is $32 \begin{smallmatrix} +0.5 \\ -1.0 \end{smallmatrix}$ kV.
8. Fix R6071 by silicon bond.

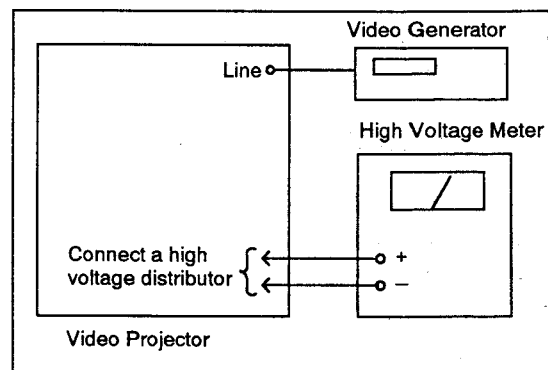


Fig. 11

Vertical Deflection Circuit Adjustment (D1-P.W. board)

1. Equipment to Used

Digital voltmeter
Oscilloscope.
Video Generator

2. Initialize Condition

S5501 (Raster up/down) Centre

3. Adjustment Procedure

1. Set the input selector to LINE mode.
2. Input a NTSC monoscope pattern signal to line input terminal.
3. Connect an oscilloscope to **TPD60** (IC5505 ①) and chassis earth.
4. Connect a digital voltmeter to **TPD58** and **TPD55** (earth).
5. Adjust R5577 (V. Lin.) so that the V. para. amplitude is 0Vp-p.
6. Adjust R5595 (V. Size) so that the voltage is $AC\ 165 \pm 5mV$.
7. Adjust R5550 (DC Bias) so that the voltage is $2 \pm 1mV$.
8. Set the S5501 (Raster up/down) to using mode.

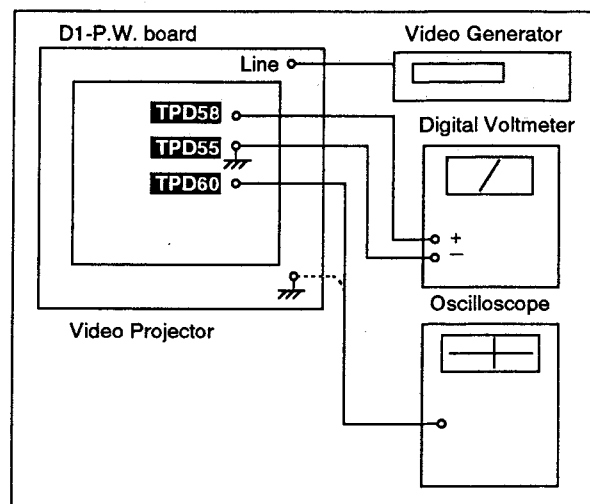


Fig. 12

Comb Filter Adjustment (A-P.W. board)

1. Equipment to Used

Oscilloscope
Short Jumper Wire
Video Generator

2. Initialize Condition

System selector NTSC

3. Adjustment Procedure

1. Input a white balance pattern signal to line input terminal.
2. Connect an oscilloscope to **TPA3** and **TPA51** (earth).
3. Connect a short jumper wire to TPA2 and TPA51 (earth).

4. Adjust R4012 (CCD Level) so that the signal level is 0V (V rate).
5. Connect an oscilloscope to **TPA4** and **TPA51** (earth).
6. Adjust R4034 (V. Apa. centre) to achieve waveform shown in Fig. 14.

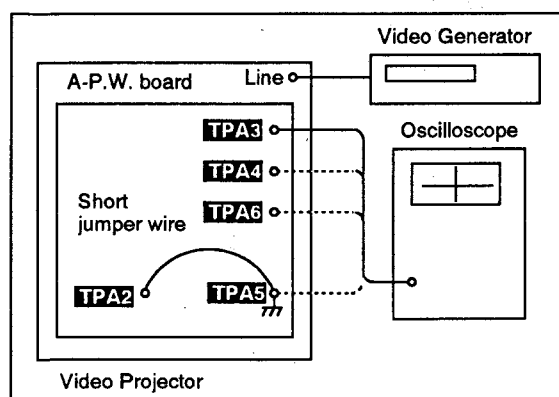


Fig. 13

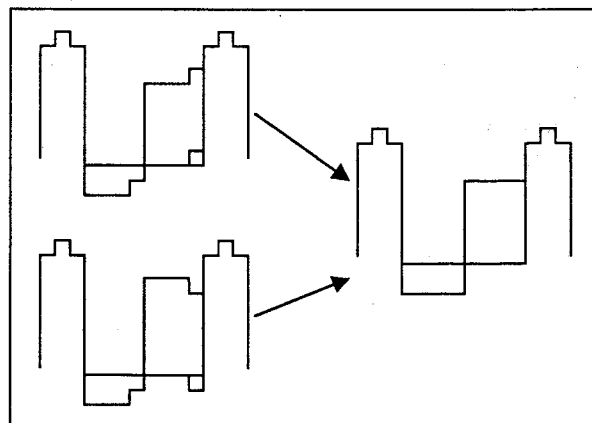


Fig. 14

7. Input a NTSC studio colour bar signal to line input terminal.
8. Disconnect a short jumper wire.
9. Adjust R4027 (V/H Level) and C4018 so that the chroma level is minimum (cyan is less than 50mV).

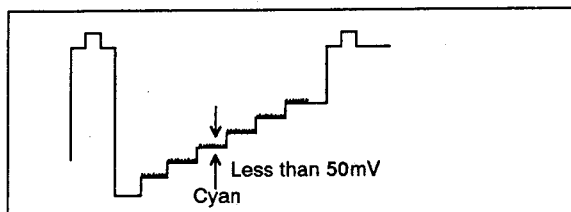


Fig. 15

10. Connect an oscilloscope to **TPA6** and **TPA51** (earth).
11. Adjust R4040 (Y Level) so that the studio colour bar is $0.70 \pm 0.05V_{B-W}$.

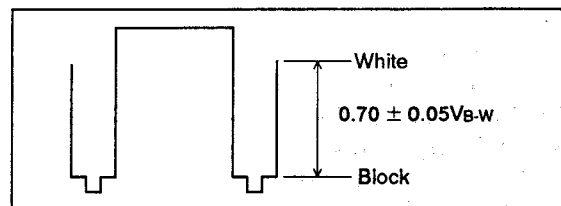


Fig. 16

Sharpness Adjustment (A-P.W. board)

1. Equipment to Used

Digital Voltmeter
Video Generator

2. Initialize Condition

System selector AUTO
Sharpness control Centre
Colour control Centre
Brightness control Centre
Picture Control Max.

3. Adjustment Procedure

1. Input a monoscope pattern signal to line input terminal.
2. Connect a digital voltmeter to **TPA11** and **TPA52**.

3. Adjust R4442 (Sub sharpness) so that the voltage is $6.8 \pm 0.01V$.

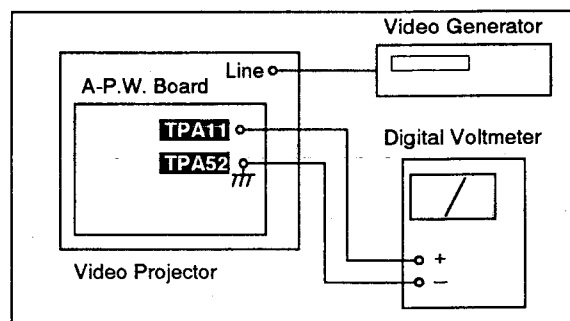


Fig. 17

Sub Contrast Adjustment (A-P.W. board)

1. Equipment to Used

Oscilloscope
Video Generator

2. Initialize Condition

Picture control Max.
Colour control Min.
Brightness control Centre
System selector NTSC

3. Adjustment Procedure

1. Input a NTSC studio colour bar to line input terminal.
2. Connect an oscilloscope to **TPA22** and **TPA53** (earth).
3. Adjust R4702 (Sub Contrast) so that the level is $0.61 \pm 0.01V_{B-W}$.

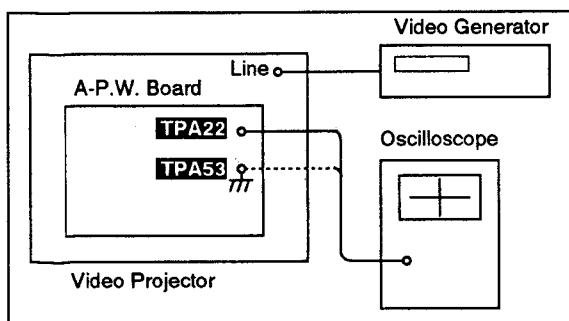


Fig. 18

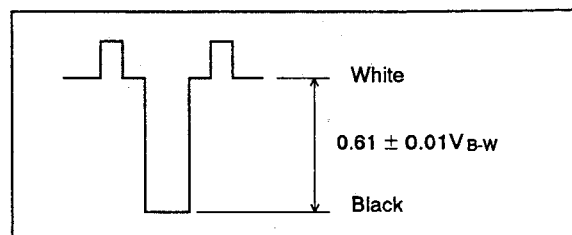


Fig. 19

NTSC, M-NTSC Colour Adjustment (A-P.W. board)

1. Equipment Used

Oscilloscope
Video Generator

2. Initialize Condition

System selector NTSC

3. Adjustment Procedure

1. Input a 3.58 NTSC rainbow pattern signal to line input terminal.
2. Connect an oscilloscope to **TPA20** and **TPA53** (earth).

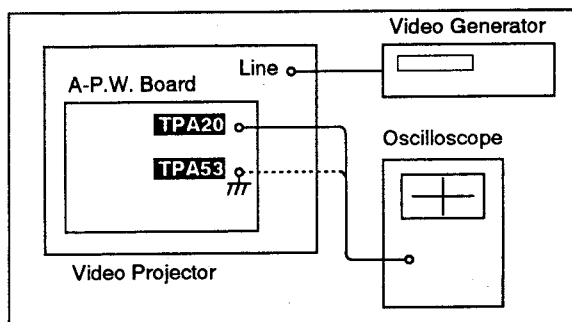


Fig. 20

3. After confirming tint on-screen on picture by pressing tint key on remote controller, confirm the standard on-screen on picture by pressing standard key on remote controller.
4. Adjust R4843 (Sub Tint) so that the 2 and 3 is parallel.

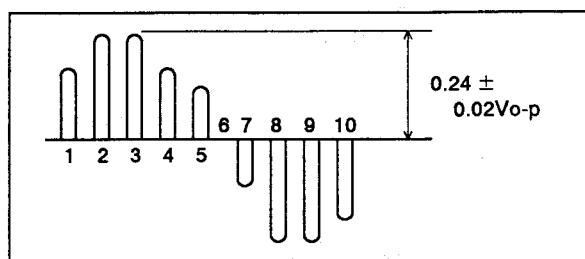


Fig. 21

5. After confirming colour on-screen on picture by pressing colour key, on remote controller, confirm the standard on-screen on picture by pressing standard key on remote controller.
6. Adjust R4838 (Sub Colour) so that the level is $0.24 \pm 0.02V_{o-p}$. (See Fig. 21)

Bell Filter Adjustment (A-P.W. board)

1. Equipment Used

Oscilloscope
Video Generator
10k Ω resistor

2. Initialize Condition

System selector SECAM
Colour control Centre
Picture control Max.
Brightness control Centre

3. Adjustment Procedure

1. Input a SECAM studio colour bar signal to line input terminal.
2. Connect an oscilloscope to **TPA15** and **TPA53** (earth).

3. Adjust L4641(Bell Filter) so that the SECAM chroma waveform is most flat.

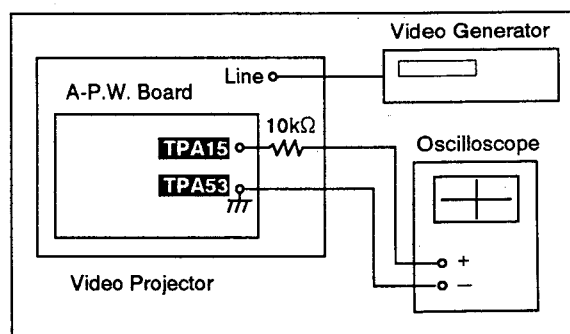


Fig. 22

SECAM Line Discrimination Circuit Adjustment (A-P.W. board)

1. Equipment to Used

Digital Voltmeter
Video Generator

2. Initialize Condition

System selector SECAM
Colour control Centre
Picture control Max.
Brightness control Centre

3. Adjustment Procedure

1. Input a SECAM studio colour bar signal to line input terminal.
2. Connect a digital voltmeter to **TPA26** and **TPA53** (earth).

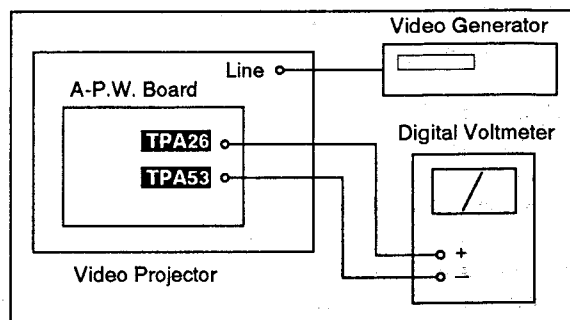


Fig. 23

3. Adjust L4801 for maximum DC value.
4. Confirm that the voltage value is more than 7V.
5. Confirm that the colour bar is normal.

SECAM Demodulation output Adjustment (A-P.W. board)

1. Equipment to Used

Digital Voltmeter
Video Generator

2. Initialize Condition

System selector SECAM
Picture control Max.
Colour control Centre
R4829, R4830 Centre
Brightness control Centre

3. Adjustment Procedure

— B Demodulation Output Adjustment —

1. Input a SECAM studio colour bar signal to line input terminal.
2. Connect an oscilloscope to **TPA22** and **TPA17**.

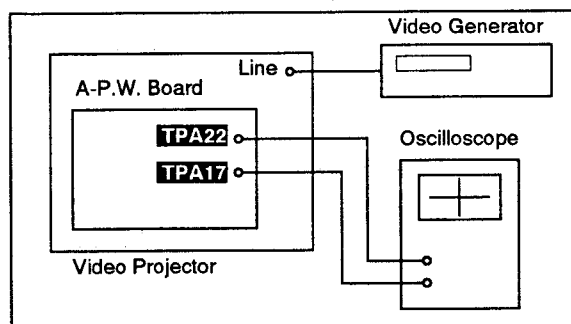


Fig. 24

3. Adjust L4807 so that the H blanking period on **TPA17** and colour centre line is same level.

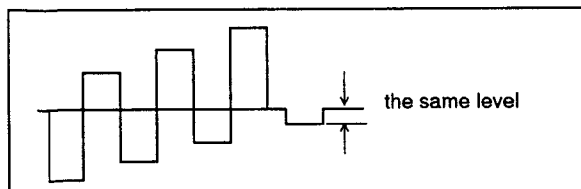


Fig. 25

4. Adjust R4830 (B output) so that the level at **TPA22** is $0.43 \pm 0.03V_{o-p}$.
5. Re-confirm the colour centre line at **TPA17**, if it level is not the same, adjust the step 3 and 4.

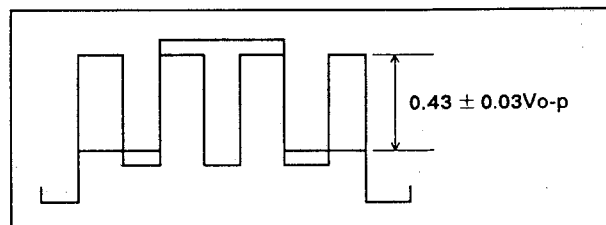


Fig. 26

— R Demodulation Output Adjustment —

1. Connect an oscilloscope to **TPA20** and **TPA16**.

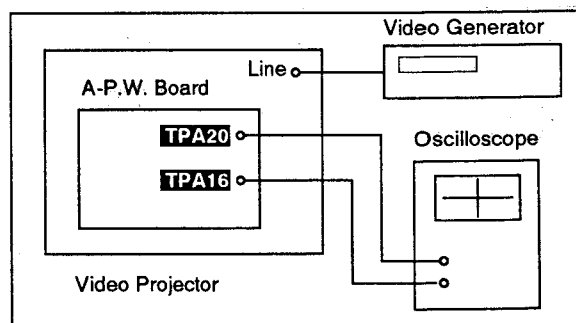


Fig. 27

2. Adjust L4806 so that the H blanking period on **TPA16** and colour centre line is same level.

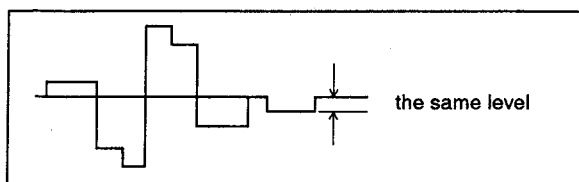


Fig. 28

3. Adjust R4829 (R output) so that the level at **TPA20** is $0.54 \pm 0.03V_{o-p}$.
4. Re-confirm the colour centre line at **TPA16**, if it level is not the same adjust the step 2 and 3.

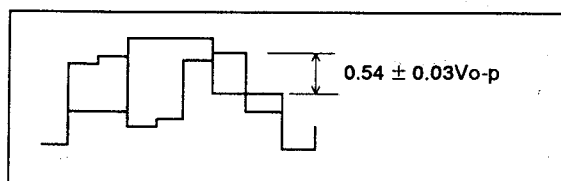


Fig. 29

PAL Delay Line Adjustment (A-P.W. board)

1. Equipment to Used

Oscilloscope
Video Generator

2. Initialize Condition

System selector PAL
Colour control Centre
Picture control Max.
Brightness control Centre

3. Adjustment Procedure

1. Input a PAL studio colour bar to line input terminal.

2. Connect an oscilloscope to **TPA22** and **TPA53** (earth).

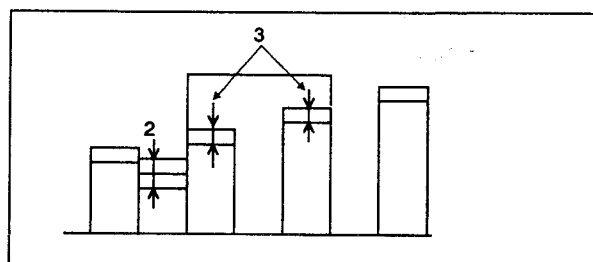


Fig. 30

3. Adjust R4823 (Delay line) so that the level of 2 is zero.
4. Adjust L4803 so that the 1H and 2H of 3 is matching.

Blanking Adjustment (B-P.W. board)

1. Equipment to Used

Video Generator

2. Adjustment Procedure

- Input a NTSC monoscope pattern signal to line input terminal.
- Adjust R3618 (NTSC H. BLK) and R3573 (N/P/S H. BLK Width) so that the H. BLK is symmetrical.
- Adjust R3580 (V. BLK) and R3606 (V. BLK Width) so that the V. BLK is symmetrical from top to bottom.
- Input a PAL colour bar signal to line input terminal.
- Adjust R3571 (P/S H. BLK) so that the H. BLK is symmetrical.
- Adjust R3582 (P/S V. VBLK) so that the V. BLK is symmetrical from top to bottom.

- Input a monoscope pattern signal ($f_H = 31.5$ kHz, $f_V = 60$ Hz) to line input terminal.
- Adjust R3614 (31.5 kHz H. BLK) and R3610 (HD 31.5 kHz H. BLK Width) so that the H. BLK is symmetrical.
- Adjust R3617 (31.5 kHz V. BLK) and R3583 (HD V. BLK Width) so that the V. BLK is symmetrical from top to bottom.
- Input a HD monoscope pattern signal to line input terminal.
- Adjust R3609 (HD H. BLK) so that the H. BLK is symmetrical.
- Adjust R3619 (HD V. BLK) so that V. BLK is symmetrical from top to bottom.

γ Correct Waveform Adjustment (B-P.W. board)

1. Equipment to Used

Oscilloscope
RGB signal generator

2. Initialize Condition

Picture control Max.
Brightness control Centre
Input selector RGB
R3704, R3804 Fully counterclockwise

3. Adjustment Procedure

1. Input a fall white signal to RGB input terminal.
2. Connect an oscilloscope to **TPB8** and **TPB10**.

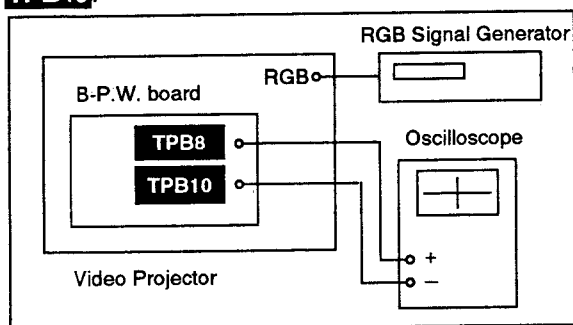


Fig. 31

3. Fully turn R3534 (C-Shading) to clockwise.
4. Slowly turn R3704 (R-γ) to clockwise.
5. Then waveform at **TPB8** is changing to ① → ② → ③ → ④ → ⑤.

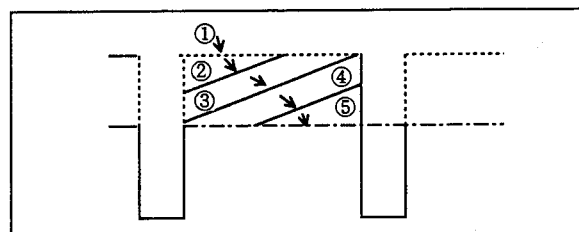


Fig. 32

6. Adjust R3704 (R-γ) so that the waveform at TPB8 is number ③.
7. For waveform at **TPB10**, adjust R3804 (B-γ) by the same procedure (steps 4 to 6).
8. Adjust R3534 (C-shading) and R3513 (C. B V Saw) to centre (no correct).
9. Input a 10 step signal to RGB input terminal.
10. Confirm that the waveform at **TPB8** and **TPB10** is curved.

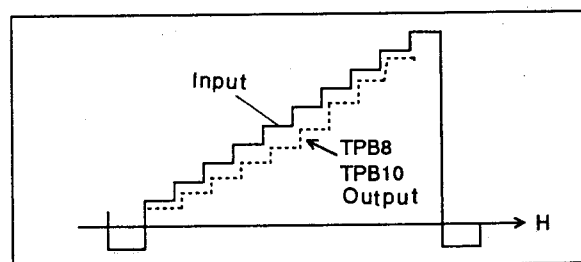


Fig. 33

BK Drive Adjustment (B-P.W. board)

1. Equipment to Used

Oscilloscope
Video Generator

2. Initialize Condition

Brightness control Centre
Colour control Min.
Contrast control Max.
R3334, R3384, R3434 Centre
R3459 (Sub bright) Centre

3. Adjustment Procedure

1. Disconnect a connector L4.
2. Input a NTSC studio colour bar to line input terminal.
3. Connect an oscilloscope to **TPLB** and chassis earth.

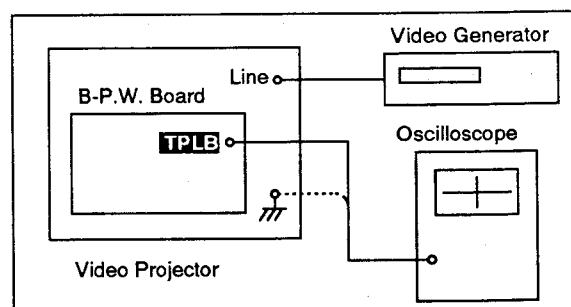


Fig. 34

4. Adjust brightness control to control to black level, about 220V DC level.
5. Adjust R3434 (B drive) to achieve 160Vp-w as shown in Fig. 35.

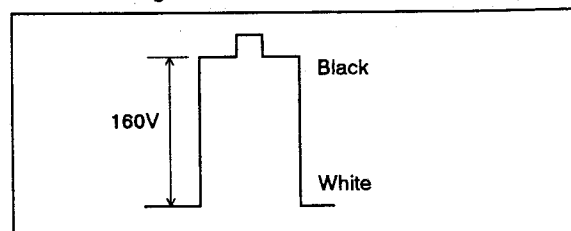


Fig. 35

6. Set poer switch to off and connect a connector L4.

Cut Off Adjustment (B-P.W. board)

1. Equipment to Used

Digital Voltmeter
Video Generator

2. Initialize Condition

Colour control Min.
Brightness control Centre
R3459 (Video sub bright) Centre
Screen VR Min.
R3334, R3384 Centre

3. Adjustment Procedure

1. Input a studio colour bar to line input terminal.
2. Set a service switch to service position.
3. Connect a digital voltmeter to **TPLB** and chassis earth.

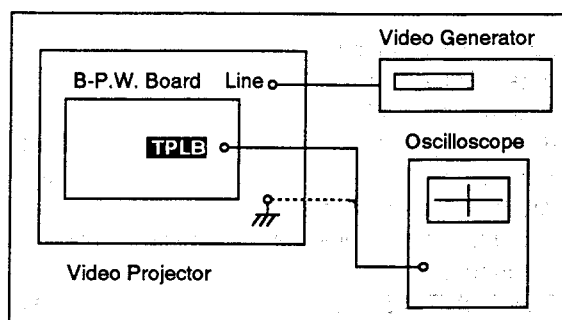


Fig. 36

4. Adjust R3459 (Video sub bright) so that the voltage is $195 \pm 1V$.
5. Increase the all screen VRs to faint light.
6. Set a service switch to normal position.

White Balance Adjustment (B-P.W. board)

1. Equipment to Used

Video Generator

2. Initialize Condition

Colour control Min.
Brightness control Centre
Picture control Max.

3. Adjustment Procedure

1. Input a NTSC or PAL colour bar signal to line input terminal.
2. Adjust the (R) and (B) screen VRs to achieve the black level.
3. Adjust the red (R3334) and blue (R3434) drive VRs to achieve the white level.

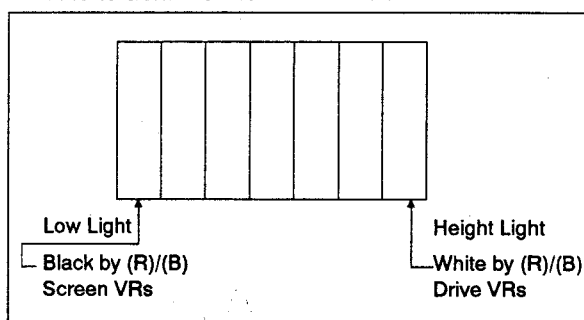


Fig. 37

4. Repeat 2 and 3 for achievement of black and white level.
5. Set the colour control as colour position.
If replace the (G) CRT, please do the following procedures before above step 1).
6. Set the all screen VRs (R, G, B) to the minimum position, all drive VRs (R3334, R3384, R3434) to the centre position and brightness to the click stop.
8. Set service switch (S3501) to the service position.
9. Increase the (G) screen VR to faint light.
※ Do not touch the this (G) screen VR after this adjustment.
10. Set service switch (SW3501) to the normal position.

Video Sub Brightness Adjustment (B-P.W. board)

1. Equipment to Used

Video Generator

2. Initialize Condition

Brightness control Centre

Picture control Max.

3. Adjustment Procedure

1. Input a black level pattern signal to line input terminal.
2. Adjust R3459 (Sub bright) to achieve waveform as shown in Fig. 38.

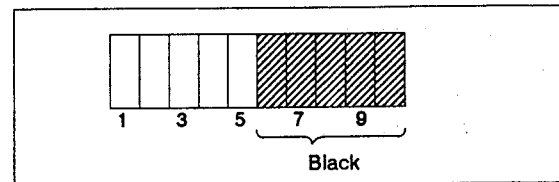


Fig. 38

3. Up and down bright key on remote controller.
4. Confirm that the on screen display is changing from max. to min.
5. Confirm that the bright is changing.

HD Mode Sub Contrast Adjustment (B-P.W. board)

1. Equipment to Used

Digital Voltmeter

Video Generator

2. Initialize Condition

Brightness control Centre

R3461 (RGB sub bright) Centre

Picture control Max.

3. Adjustment Procedure

1. Disconnect a connector L4.
2. Input a HD signal (fH= 33.75 kHz, fV = 60 Hz) to RGB input terminal.
3. Connect an oscilloscope to **TPLB** and chassis earth.

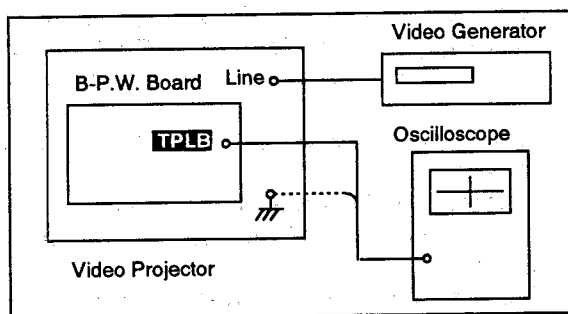


Fig. 39

4. Adjust brightness control to control to black level, about 220V DC level.
5. Adjust R3469 (HD. sub-con.) to achieve 120VB-W as shown in Fig. 40.

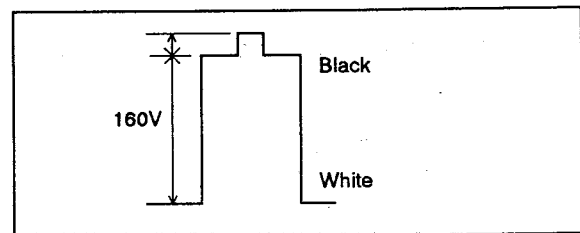


Fig. 40

6. Set power switch to off and connect a connector L4.
7. Set power switch to on, and up and down the picture key on remote controller.
8. Confirm that the on screen display is changing from max. to min.
9. Confirm that the picture is changing.

EGB Sub Brightness Adjustment (B-P.W. board)

1. Equipment to Used

Digital Voltmeter

2. Initialize Condition

Colour control Min.

Brightness control Centre

R3461 (RGB Sub bright) Centre

3. Adjustment Procedure

1. Input a black level pattern signal to RGB input terminal.
2. Adjust R3461 (RGB sub bright) to achieve waveform as shown in Fig. 41

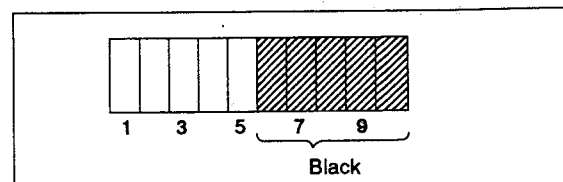


Fig. 41

3. Confirm that the on screen display is changing from max. to min.
4. Confirm that the bright is changing.

Colour Shading Correction Adjustment (B-P.W. board)

1. Equipment to used

Oscilloscope
Video Generator

2. Initialize Condition

Brightness control Centre
Picture control Max.
Colour control Min.

3. Adjustment Procedure

1. Input a monoscope pattern signal to line input terminal.
2. Connect an oscilloscope to **TPB8** and **TPB12** (earth).

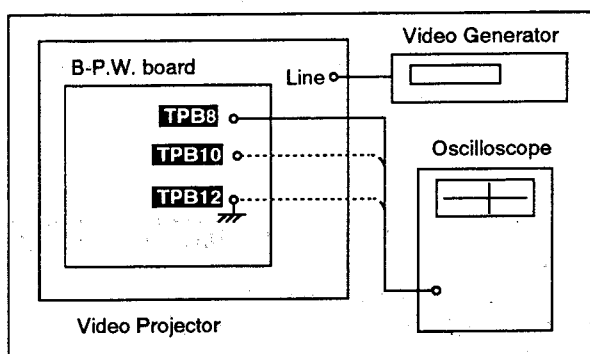


Fig. 42

3. Adjust R3534 (Colour shading correction) to achieve waveform as shown in Fig. 43.

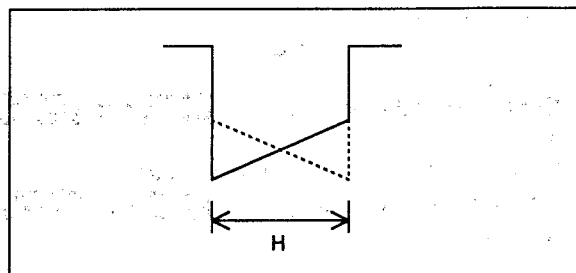


Fig. 43

4. Connect an oscilloscope to **TPB10** and **TPB12** (earth).
5. Confirm that the waveform is Fig. 43.
6. Set R3534 (Colour shading correction) to no correcting.

H. Luminance Shading Correction Adjustment (B-P.W. board)

1. Equipment to used

Oscilloscope
Video Generator

2. Initialize Condition

Brightness control Centre
Picture control Max.
Colour control Min.

3. Adjustment Procedure

1. Input a monoscope pattern signal to line input terminal.
2. Connect an oscilloscope to **TPB8** and **TPB12** (earth).

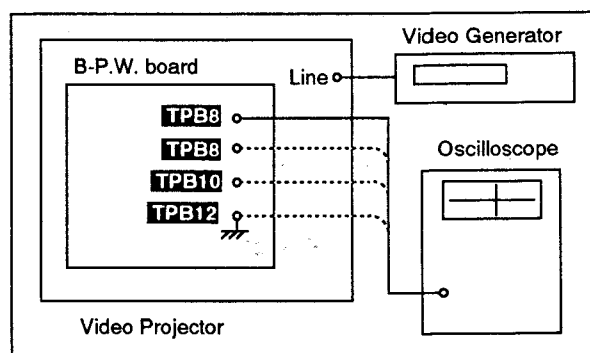


Fig. 44

3. Adjust R3526 (H. Luminance shading correction) to achieve waveform as shown in Fig. 45.

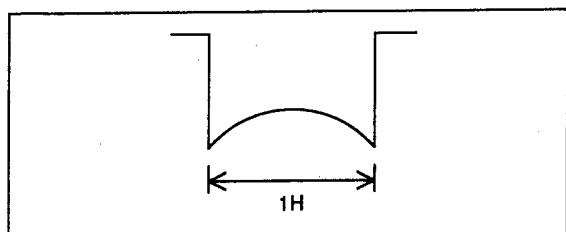


Fig. 45

4. Confirm that the waveform at **TPB9** and **TPB10** are the same.
5. Fully turn R3526 to counterclockwise.
6. Connect an oscilloscope to **TPB8** and **TPB12** (earth).

7. Adjust R3518 (C.B.H. saw) to achieve waveform as shown in Fig. 46.

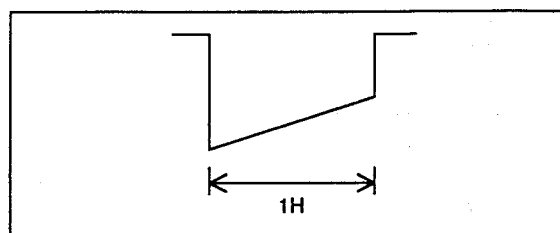


Fig. 46

8. Confirm that the waveform at **TPB9** and **TPB10** are the same.
9. Fully turn R3518 to clockwise.

V. Luminance Shading Correction Adjustment (B-P.W. board)

1. Equipment to used

Oscilloscope
Video Generator

2. Initialize Condition

Brightness control Centre
Picture control Max.
Colour control Min.

3. Adjustment Procedure

1. Input a monoscope pattern signal to line input terminal.
2. Connect an oscilloscope to **TPB8** and **TPB12** (earth) as shown in Fig. 44.
3. Adjust R3512 (V. Luminance shading correction) to achieve waveform as shown in Fig. 47.

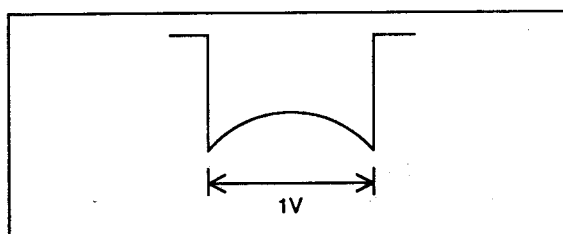


Fig. 47

4. Confirm that the waveform at **TPB9** and **TPB10** are the same.
5. Fully turn R3512 to counterclockwise.
6. Adjust R3519 (V. Luminance shading correction) to achieve waveform as shown in Fig. 48.

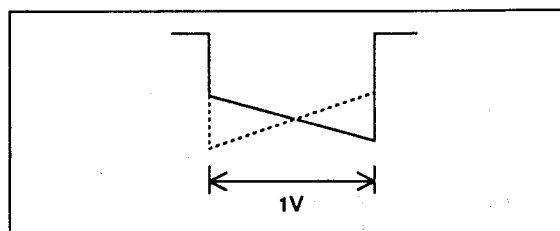


Fig. 48

7. Confirm that the waveform at **TPB9** and **TPB10** are the same.
8. Turn R3519 to centre.

Installation and Adjustment Procedure

CAUTIONS: For the setting and adjustment, follow the selected procedure in [Table 2].
By taking an erroneous procedure, any adjustment may be useless.

[Table 1] Screen Size and Projection Mode

Screen Size \ Model	PT-B1010E			PT-B1010EF		
	Front Ceiling	Rear Ceiling	Rear Ceiling with Mirror	Front Floor	Rear Floor	Rear Floor with Mirror
203.2~218.4 cm (80~86 inches)	(B)	(A)	(B)	(B)	(A)	(B)
221~276.9 cm (87~109 inches)	(D)	(C)	(D)	(D)	(C)	(D)
279.4~304.8 cm (110~120 inches)	(B)	(A)	(B)	(B)	(A)	(B)

[Table 2] Installation Procedure and Necessary Adjustment.

No.	PROCEDURE	(A)	(B)	(C)	(D)
1	Projection Size Adjustment	YES	YES	NO	NO
2	Installation	YES	YES	YES	YES
3	Verification of Image Position	YES	YES	YES	YES
4	Preparation for Adjustment	YES	YES	YES	YES
5	Deflection Change	YES	NO	YES	NO
6	Shading Correction	◆	◆	◆	◆
7	Lens Focus Adjustment	YES	YES	YES	YES
8	Electromagnetic Focus Adjustment	◆	◆	◆	◆
9	Picture Amplitude Adjustment	◆	◆	◆	◆
10	Static Convergence Adjustment	YES	YES	YES	YES

◆ If necessary

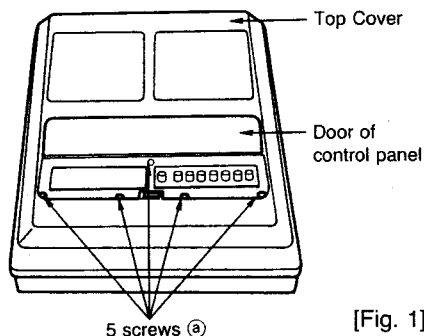
1. Projection Size Adjustment

When Changing the Screen Size, Follow the Steps as Shown Below.

For PT-B1010E/PT-B1010EF, projection size can be changed by an adjustment of CRT position (Red and Blue). In case of this model, change can be made within the range of 203.2~304.8 cm (80~120 inches).

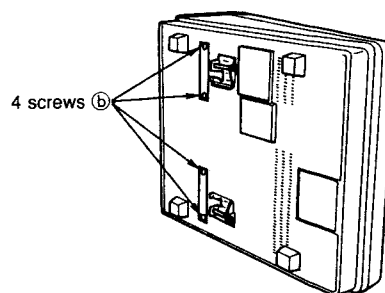
If a different screen size is desired, perform the following adjustment, step [1]~[9].

- [1] Open the door of the control panel, and remove 5 screws ① in [Fig. 1].
Then pull the Top Cover toward the back side of the deck and carefully lift it to remove.



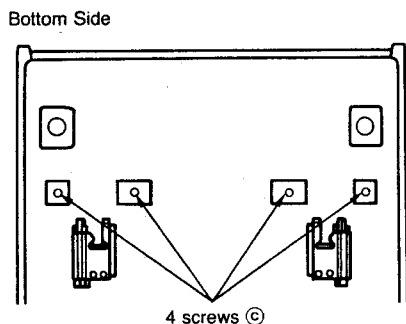
[Fig. 1]

- [2] Place the unit on its side as illustrated [Fig. 2], and remove 4 screws ②.
Then remove the covers of the adjusting holes.



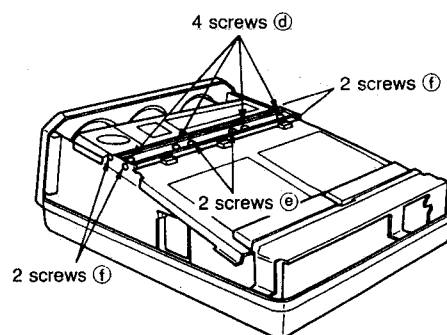
[Fig. 2]

- [3] Loosen 4 screws ③ two or three turns.
(Do not remove these screws.)



[Fig. 3]

- [4] Return the unit to its original position, and remove 4 screws ④ in [Fig. 4].



[Fig. 4]

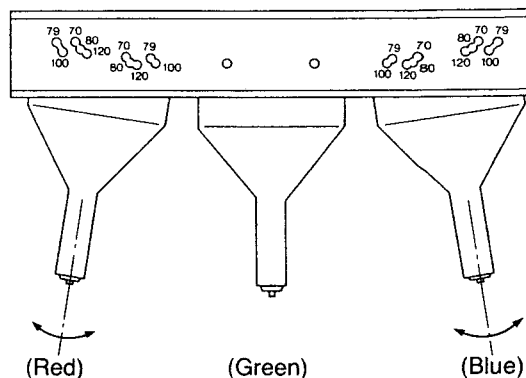
- [5] Adjust the positions of the Red and Blue CRTs for the desired projection size as shown in [Table 3] and [Fig. 5].

Note: If you have difficulty adjusting the CRTs, loosen 2 screws ⑤ and 4 screws ⑥ as in [Fig. 4] slightly.
Be sure to re-tighten after adjustment.

PT-B1010E/PT-B1010EF

Display Value	Corresponding Size
80	203.2~218.4 cm (80~86 inches)
100	221~276.9 cm (87~109 inches)
120	279.4~304.8 cm (110~120 inches)

[Table 3]

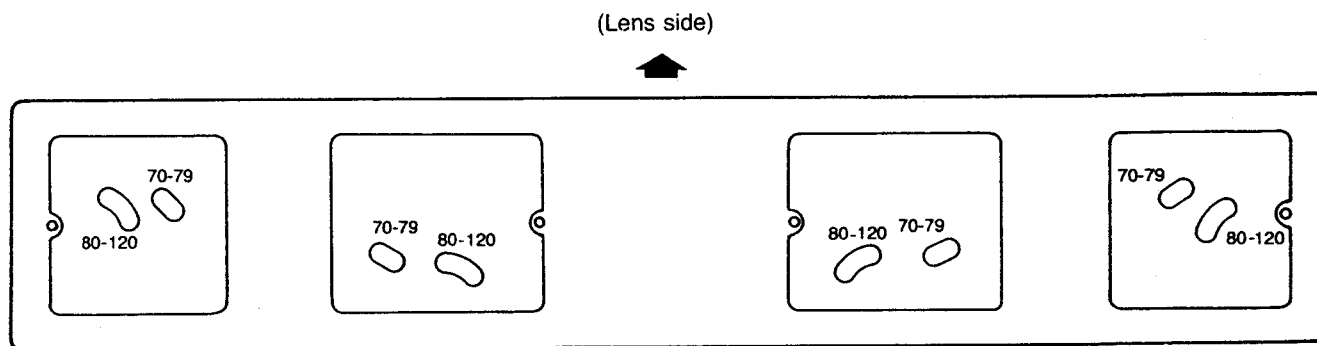


[Fig. 5]

- [6] After insuring the proper CRT positions, tighten the 4 screws ㉔ in [Fig. 4].
- [7] Place the unit on its side, and tighten 4 screws ㉓ in [Fig. 3].
- [8] Re-place the covers of the adjusting holes and tighten 4 screws ㉒ in [Fig. 2].
- [9] After ensuring that a proper picture is displayed, re-place the Top Cover and tighten 5 screws ㉑ in [Fig. 1].

Note: The figure below [Fig. 6] is an enlargement of adjustment holes [Fig. 3].

Please tighten the screws ㉓ and fix CRTs within the areas that are displayed as "80 - 120" in the diagram below.



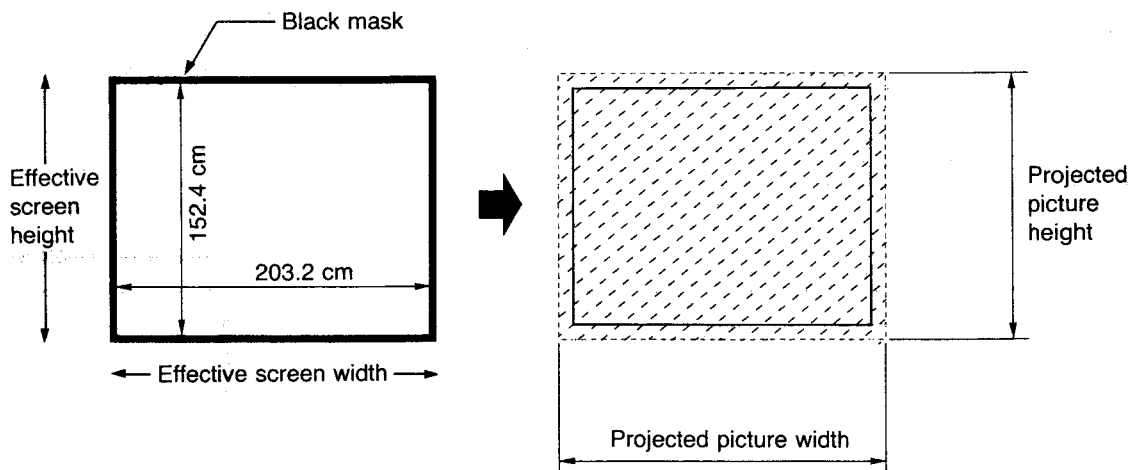
[Fig. 6]

2. Installation

Screen Size

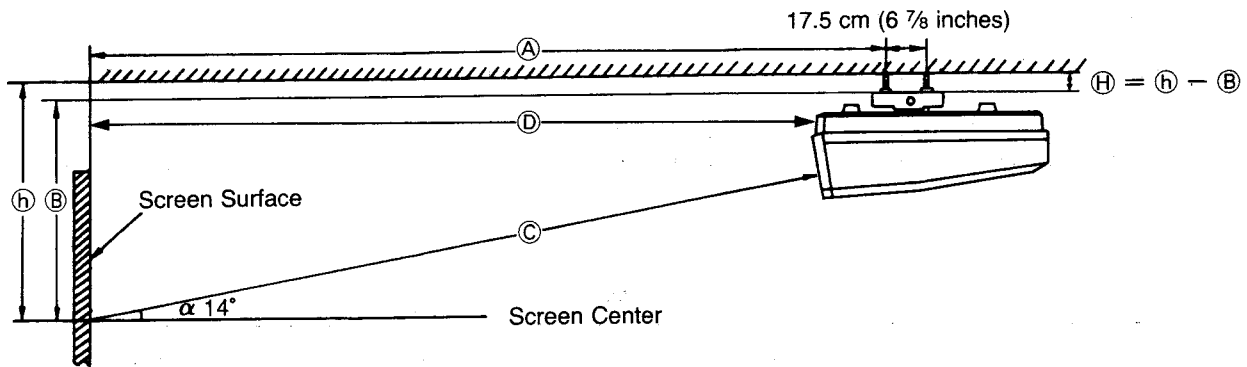
Provide a black border around the edges of the screen. The projection distance for this video projector is specified to project a picture approximately 5% larger than the effective dimensions of the screen in order to prevent splintering of the picture around the edges.

Provide a black border around the edges of the screen so that the portions of the picture extending beyond the effective dimensions of the screen are not visible. Note that, depending on the manufacturer, some standard screens already come equipped with a black mask.

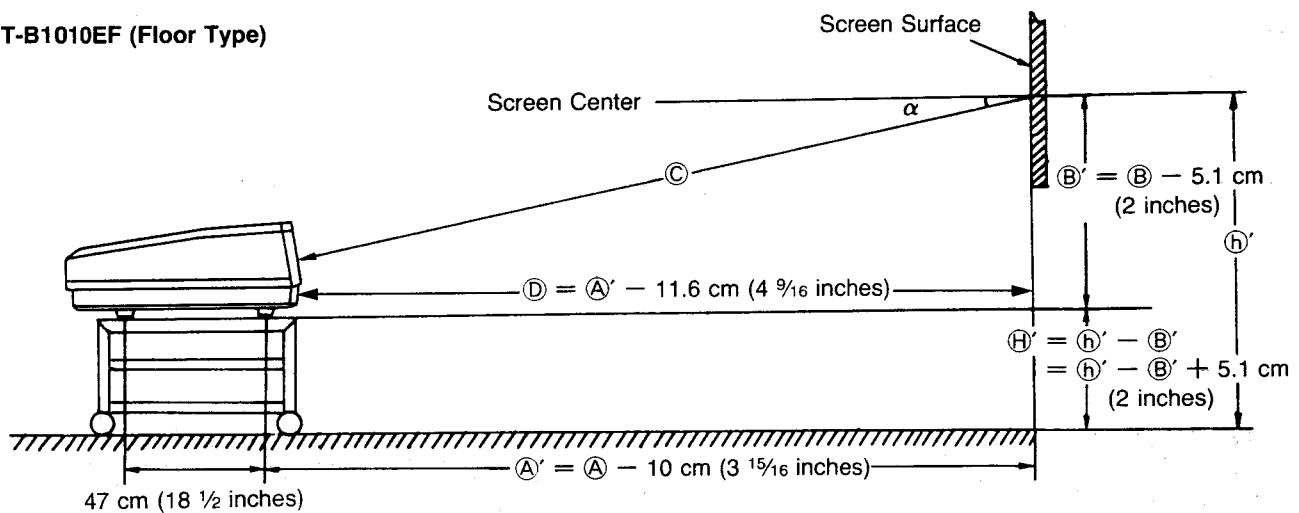


1 Standard Setting Position

PT-B1010E (Ceiling Type)



PT-B1010EF (Floor Type)

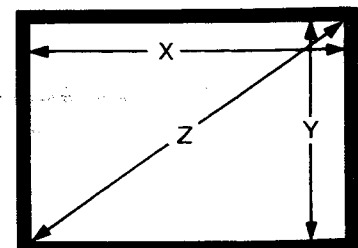


[Table 4]. Relationship between picture size and mounting distance.

Screen Size (Z)	Width (X)	Height (Y)	Ⓐ	Ⓑ	Ⓒ	Ⓓ
304.8 (120)	243.8 (96)	182.9 (72)	366.0 (144)	112.4 (44.3)	358.6 (141.2)	344.4 (135.6)
279.4 (110)	223.5 (88)	167.6 (66)	339.0 (133.5)	105.9 (41.7)	330.8 (130.2)	317.4 (125)
254 (100)	203.2 (80)	152.4 (50)	308.2 (121.3)	98.2 (38.7)	298.9 (117.7)	286.6 (112.8)
228.6 (90)	182.9 (72)	137.2 (54)	279.2 (109.9)	91.2 (35.9)	269.0 (105.9)	257.6 (101.4)
203.2 (80)	162.6 (64)	121.9 (48)	253.2 (99.7)	84.1 (33.1)	242.0 (95.3)	231.6 (91.2)

Note: Unit of Z, X, Y, (A), (B), (C) and (D) is cm and (inches).

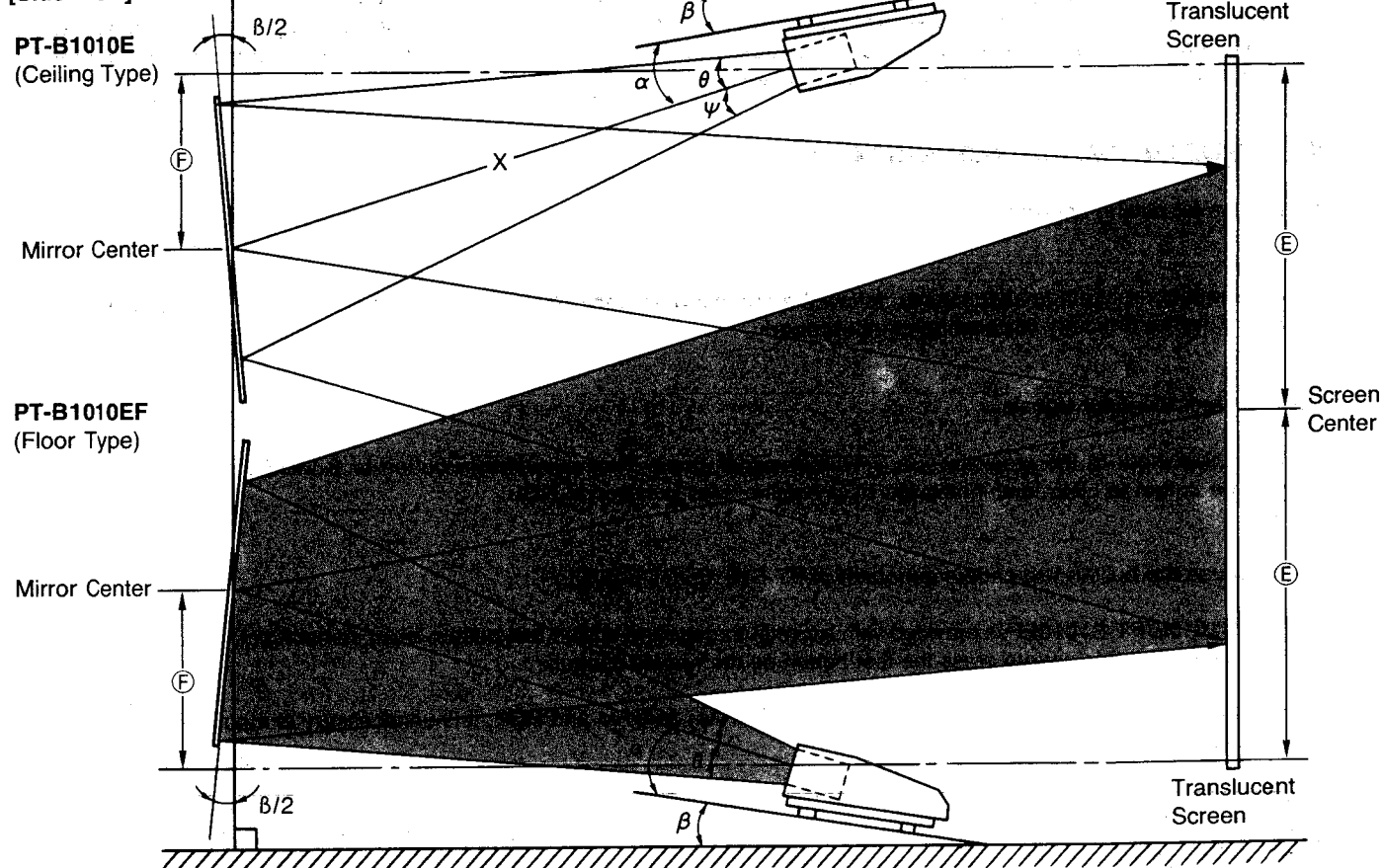
- Ⓐ: Distance from screen to center of hole in the front holding bolt.
- Ⓑ: Distance from mounting plate bottom to center of screen.
- Ⓒ: Distance from screen center to lens surface.
- Ⓓ: Distance from screen to front edge.



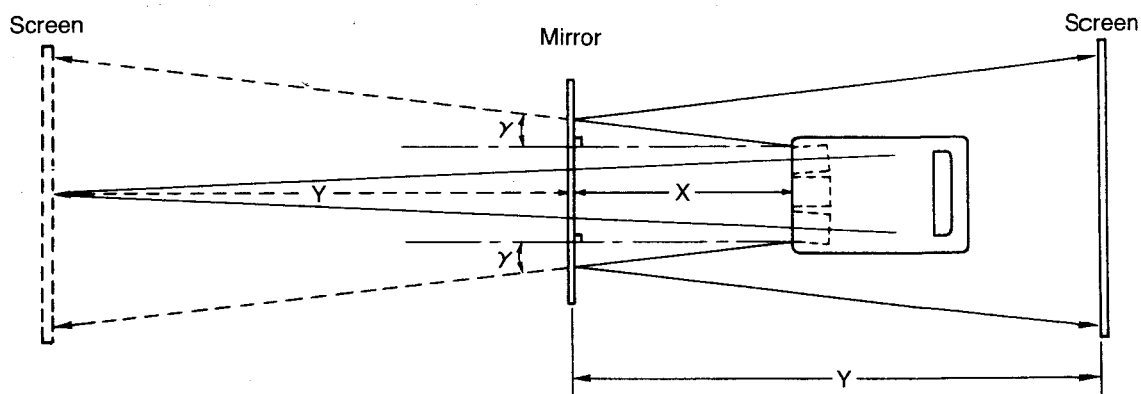
For conventional flat screen
(Aspect ratio 3 X 4)
X: Picture width
Y: Picture height
Z: Diagonal Picture size

2 Rear Ceiling or Rear Floor with Mirror

[Side View]



[Top View]



● In case of mirror use for installation, please refer to above figures and [Table 5] to determine mounting distance and mirror size. In addition, the formula for each distance is as below.

$$X + Y = \textcircled{C}$$

$$\textcircled{F} = X \cdot \sin(\alpha + \beta)$$

$$\textcircled{E} = Y \cdot \sin \alpha + \textcircled{F}$$

Note: 1. \textcircled{C} ... Distance from screen center to lens surface.
(Throw Distance)

2. \textcircled{F} ... Height between mirror center and lens center line.

3. \textcircled{E} ... Height between screen center and lens center line.

[Example]

Screen Size	θ	ψ	γ
304.8 cm	13.6°	12.3°	15.4°
254 cm	13.4°	12.2°	14.7°
203.2 cm	12.8°	11.8°	13.5°

[Table 5]

3. Verification of Image Position

Turn ON the unit and any other equipment connected to it, and project an image on the screen.

Check that the projected image matches the screen position. If the projected image is either too high or low, or to the right or left of the screen, or if the image is bigger at top or bottom or left or right, there is probably an error in the way the equipment was installed and all dimensions should be carefully rechecked.

4. Preparation for Adjustment

- Cautions for setting adjustments.

For the sequence of setting adjustments, follow the procedure in [Table 2]. Following an erroneous adjustment procedure may result in extreme difficulty in converging unit properly.

- Selection of the input signals.

If the signal input to the projector is a S-VIDEO signal, press the input selector button to S-VIDEO; if it is a LINE signal, press the button to LINE; and if they are RGB signals, set the button to RGB.

- How to use the built-in test pattern generator in PT-B1010E/PT-B1010EF

1. PT-B1010E/PT-B1010EF is provided with a circuit to generate built-in test pattern of cross-hach pattern.
For projecting this pattern press the test button on the remote control.

Note: For projecting the built-in test pattern in NTSC, PAL, SECAM and RGB, it is unnecessary to input a sync signal externally.

- Warming up

Allow a warming up time of at least approximately 30 minutes with the image being projected so that the functions of the video projector have a chance to become stable.

5. Deflection Change

When changing the setting of this unit it may be necessary to reposition certain connectors and a switch associated with deflection.

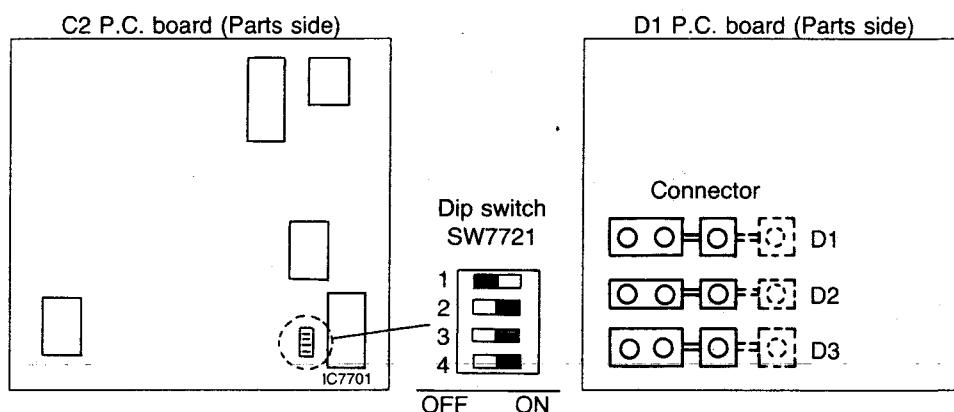
When a connector position or switch setting is not suitable for the setting specification, this unit may not operate properly, then, be sure to make deflection connectors and a switch change as shown below.

1. Turn OFF the Main Power switch.
2. Change the deflection circuit by repositioning the connectors on the D1 (TNP 101683) P.C. board and dip switch (NO. 3 and NO. 4 of SW7721) on the C2 (TNP 101685) P.C. board which allows the PT-B1010E/PT-B1010EF to be configured for various projection modes.

WARNING:

The connectors; D1, D2 and D3 are designed to fit easily onto the connector pins on the P.C. board.

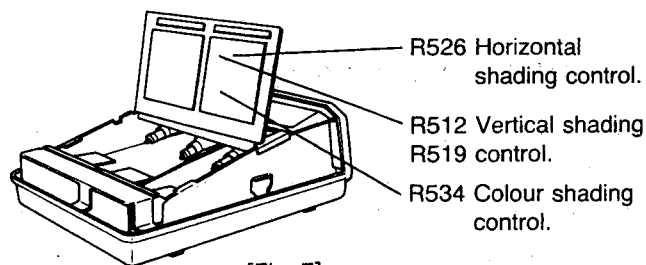
They must be reversed (180°) when changing the deflection direction. The unit will not function properly if the connectors are improperly inserted.



Model Name	Projection Mode	Positioning		
		Dip switch SW7721		Connector D1, D2, D3
		NO.3	NO.4	
PT-B1010E	Front or Rear Ceiling with Mirror	ON	ON	
	Rear Ceiling	ON	OFF	
PT-B1010EF	Front or Rear Floor with Mirror	OFF	ON	
	Rear Floor	OFF	OFF	

6. Shading Correction

Input a white pattern or snow noise signal and turn the Colour Control fully counterclockwise. If brightness or colour appears uneven, adjust the following controls on B-board.
[Fig. 7]



[Fig. 7]

<p>R534</p> <p>Reddish or Bluish Reddish or Bluish</p> <p>Adjust the colour shading control (R534), so that entire picture is white.</p>	<p>R526</p> <p>Brighter or Darker</p> <p>Adjust the Horizontal shading control (R526), so that the Brightness level is even across the screen.</p>	<p>R512 R519</p> <p>Even brighter Brighter or Darker</p> <p>Adjust the Vertical shading control (R512), (R519).</p>
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7. Lens Focus Adjustment

This operation should only be carried out if there is any difficulty focusing the image. In the focus is re-adjusted, the convergence will be disturbed and will have to be re-adjusted.

BEFORE LENS FOCUS ADJ.

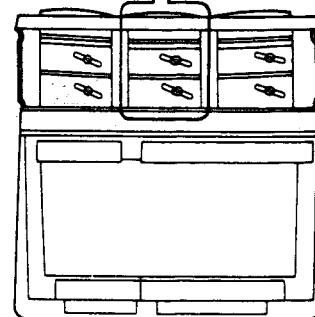
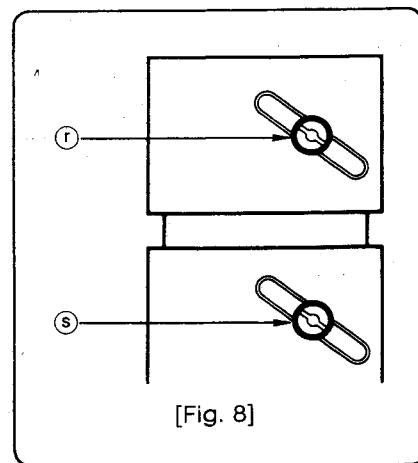
Before adjusting the lens focus, the A-board bracket must be raised and replaced in the unit in the raised position.

Reposition the A-board bracket according to the procedure described on page 13 "Instructions for raising of the A-board bracket".

Note: Before adjusting the lens focus, please take about more than 30 minutes of warm-up time projecting images until the condition of this unit gets stable.








METHOD OF ADJUSTING FOCUS

- 1) Select one of the RED, GREEN, or BLUE projection CRTs for adjustment. (The other two CRTs should be fitted with lens covers.)
- 2) Rotate the lens of the out-of-focus projection CRT after releasing the screw ⑤ (used to fix the projection lens). Adjust the lens to the point at which the scanning lines can be most clearly seen (other lenses covered). [Fig. 8]
- 3) Fully tighten and secure adjust the screw ⑤.
- 4) Loosen the screw ①, and adjust the peripheral (corner) focus.
- 5) Tighten the screw ① of the projection lens. Then, adjust the two remaining lenses in the same procedure.
- 6) Remove all lens covers.











8. Electromagnetic Focus Adjustment

The electromagnetic focus should be adjusted when it is not possible to obtain the optimum focus even after adjusting the lens focus.








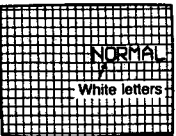
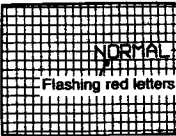

Step	Button operation	Description
1	TEST 	Display the crosshatch pattern.
2	Press the lens caps on the lenses other than that for the colour being adjusted. Do not attempt to use the RGB selector button for the adjustment of the electromagnetic focus. This would cause a slight increase in beam current in each CRT which could effect the accuracy of the focus.	
3	R-FOCUS  or G-FOCUS  or B-FOCUS 	EX. R-Focus button 
4	CONTROL  LEVEL 	

9. Picture Amplitude Adjustment

Item	Button operation	Description
Horizontal amplitude adjustment	H-WIDTH  → CONTROL  LEVEL 	
Vertical amplitude adjustment	V-HEIGHT  → CONTROL  LEVEL 	

Do not attempt to adjust the picture amplitude by pressing the test button to project the crosshatch pattern.
 The picture amplitude may be slightly different between the test pattern and the external signal.



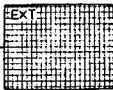
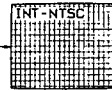
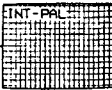
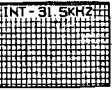








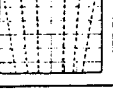











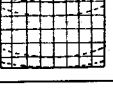




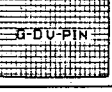
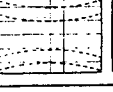





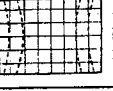











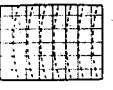




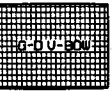
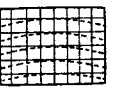

















10. Convergence

Item	Button operation	Description
Standard setting	BRIGHT  or PICTURE  → STANDARD 	 
Normal setting	NORMAL  → NORMAL 	The conditions will be returned to those prior to the adjustments.  → 
Cancel	NORMAL 	The button can only be used to cancel the operation when the store button or normal button has been pressed just once.

① Green dynamic convergence adjustment

Because this adjustment is the reference standard for all of the convergence adjustments, check the entire picture carefully when making the adjustment.

The button operation steps for adjusting the green dynamic convergence are as shown in the following chart. (If any parts of the adjustments are unnecessary, skip those adjustment steps.)

Step	Item	Button operation	Description
1	Test	TEST  → EXT/INT 	The buttons related to the distortion or convergence adjustments will only function while the crosshatch is being displayed. Each time the button is pressed, the sync mode will change and be displayed on-screen.    
2	G	G  → DYNAMIC 	Selects the green dynamic convergence adjustment mode.  
3	Horizontal Keystone distortion adjustment (H-KEYSTONE)	H-KEYSTONE  → CONVERGENCE LEVEL  	  
4	Vertical Keystone distortion adjustment (V-KEYSTONE)	V-KEYSTONE  → CONVERGENCE LEVEL  	  
5	Vertical upper pin-cushion distortion adjustment (V-TOPPIN)	V-TOPPIN  → CONVERGENCE LEVEL  	  
6	Vertical pin-cushion distortion adjustment (V-PIN)	V-PIN  → CONVERGENCE LEVEL  	  
7	Horizontal pin-cushion distortion adjustment (H-PIN)	H-PIN  → CONVERGENCE LEVEL  	  
8	Skew adjustment (SKEW)	SKEW  → CONVERGENCE LEVEL  	  
9	Horizontal bow adjustment (H-BOW)	H-BOW  → CONVERGENCE LEVEL  	  
10	Vertical bow adjustment (V-BOW)	V-BOW  → CONVERGENCE LEVEL  	  
11	Vertical linearity adjustment (V-LINEAR)	V-LINEAR  → CONVERGENCE LEVEL  	  
12	Horizontal linearity adjustment (H-LINEAR)	H-LINEAR  → CONVERGENCE LEVEL  	  
13	Horizontal size adjustment (H-SIZE)	H-SIZE  → CONVERGENCE LEVEL  	Caution: If the horizontal size adjustment designation button is operated during the green dynamic convergence adjustment mode, the value set using the horizontal amplitude (H-WIDTH) button will change. 

Step	Item	Button operation	Description
14	Vertical size adjustment (V-SIZE)	V-SIZE → CONVERGENCE LEVEL	Caution: If the vertical size adjustment designation button is operated during the green dynamic convergence adjustment mode, the value set using the vertical amplitude (H-HEIGHT) button will change.
15	Store	STORE	<p>After the convergence has been adjusted, this button is used to store the adjustment results in the memory. The adjustment results are stored in the memory by pressing the button twice consecutively. Press the button once again. The "STORE" display will change to red letters and begin flashing on and off. After approximately 30 seconds, the on-screen display will go out, indicating that the adjustment results have been stored in the memory.</p> <p>Caution: After the convergence has been adjusted, if the store button is not used to store the adjustment results in the memory, the adjustment results will be erased when the video projector's input is changed or the power is switched off.</p> <p>No button operations will be valid while the red letters of the on-screen display of "STORE" are flashing. In addition, be careful not to set the main power switch to "OFF" during this condition, because doing so will cause the adjustment results to be erased.</p>

※ If the static convergence adjustment or other dynamic convergence adjustments are going to be made immediately after the green dynamic convergence adjustment, the operation of the store button can be omitted.

Note:

Steps 13 and 14 are normally not necessary.

② **Static convergence adjustment**

The button operation steps for adjusting the static convergence immediately after the green dynamic convergence adjustment are as shown in the following chart.

Step	Item	Button operation	Description
1	R → G R → G•B	R-G or R-G•B	If this button is used to adjust the static convergence, it is possible to make the adjustment without having to press the test button in order to display the crosshatch pattern. If this button is mistakenly pressed while the test pattern is not being displayed, press the test button twice.
2	Static	STATIC	
3	Cursor movement	▲ ▼ ◀ ▶	The cursor movement buttons are operated in order to adjust the red static convergence.
4	B → G B → R•G	B-G or B-R•G	
5	Static	STATIC	
6	Cursor movement	▲ ▼ ◀ ▶	The cursor movement buttons are operated in order to adjust the blue static convergence.
7	Store	STORE	The store button is pressed twice in order to store the adjustment results in the memory.

• If the other dynamic convergence adjustments or the point convergence adjustment are going to be made immediately after the static convergence adjustment, the operation of the store button can be omitted.



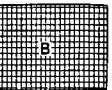

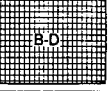


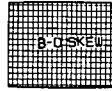
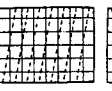
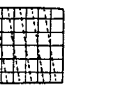



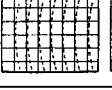
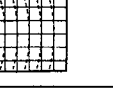



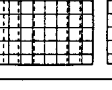
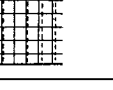


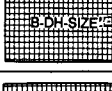







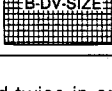

③ **Red and blue dynamic convergence adjustments**

Perform these adjustments after adjusting the green dynamic convergence and the static convergence. (If any parts of the adjustments are unnecessary, skip those adjustment steps.)

• Red dynamic convergence adjustment



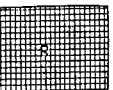

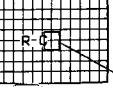





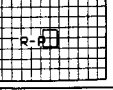






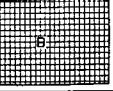

Step	Item	Button operation	Description
1	R → G R → G•B	R-G or R-G•B	
2	Dynamic	DYNAMIC	
3	Skew adjustment (SKEW)	SKEW → CONVERGENCE LEVEL	
4	Horizontal bow adjustment (H-BOW)	H-BOW → CONVERGENCE LEVEL	
5	Horizontal Linearity adjustment (H-LINEAR)	H-LINEAR → CONVERGENCE LEVEL	
6	Horizontal size adjustment (H-SIZE)	H-SIZE → CONVERGENCE LEVEL	
7	Vertical Keystone distortion adjustment (V-KEystone)	V-KEystone → CONVERGENCE LEVEL	
8	Vertical size adjustment (V-SIZE)	V-SIZE → CONVERGENCE LEVEL	

• Blue dynamic convergence adjustment

Step	Item	Button operation	Description
1	B → G B → G•B	 or 	
2	Dynamic		
3	Skew adjustment (SKEW)	 → 	  
4	Horizontal bow adjustment (H-BOW)	 → 	  
5	Horizontal Linearity adjustment (H-LINEAR)	 → 	  
6	Horizontal size adjustment (H-SIZE)	 → 	
7	Vertical Keystone distortion adjustment (V-KEYSTONE)	 → 	  
8	Vertical size adjustment (V-SIZE)	 → 	
9	Store		The store button is pressed twice in order to store the adjustment results in the memory.

※ If the point convergence adjustment is going to be made immediately after the red and blue dynamic convergence adjustments, the operation of the store button can be omitted.

④ Point convergence adjustment
Perform this adjustment if localized misalignments are still uncorrected even after the dynamic convergence adjustments have been completed.

Step	Item	Button operation	Description
1	R → G R → G•B	 or 	
2	Cursor		
3	Cursor movement	   	Moves the cursor to the location to be adjusted.
4	Point		
5	Cursor movement	   	Adjusts the incremental convergence at the region of the cursor.
6	Repeat steps 2 through 5 to adjust the locations where the red convergence is misaligned.		
7	B → G B → R•G	 or 	
8	Repeat steps 2 through 6 to adjust the locations where the blue convergence is misaligned.		
9	Store		The store button is pressed twice in order to store the adjustment results in the memory.

- When adjusting the outer edges of the image, move the cursor outward to a location where two cursors are displayed, and then make the adjustment.
- Be sure to press the store button twice when the adjustments have been completed.

Checking procedures for C2-B.W. board (TXANPC2DD4)

The C2-P.W. board can not be repaired. If any one of the following abnormal phenomena occurs, check the C2-P.W. board by referring to the section Checking procedures. If a fault is confirmed, replace the C2-P.W. board.

C2-P.W. board circuit construction

┌ Digital convergence circuit
└ System control circuit

Abnormal phenomena

- Horizontal bands of irregular brightness are visible on the screen.
(The intervals between adjoining horizontal scan lines are not constant and show irregular variation.)



Fig. 1

- Mainly vertical lines bend discontinuously.



Fig. 2

- Mainly horizontal lines oscillate slightly.

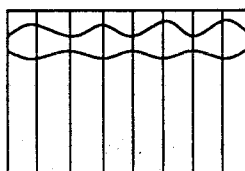


Fig. 3

Digital
Convergence

- Internal test pattern can not be output.

- On-screen display not effective.

- Inputs (RGB/VIDEO, S-VIDEO/LINE) can not be selected.

- SYNC selection (EXT/INT) inoperative.

- Test pattern ON/OFF switching inoperative.

- Notch ON/OFF switching inoperative

- Selection among 4 systems inoperative.

- VIDEO-MUTE inoperative.

- Digital-to-analog converter control signal failure

- Convergence adjustment (in analog) inoperative.

- Focus adjustment inoperative.

- H. shift adjustment inoperative

- Volume can not be adjusted.

- Video adjustments (COLOUR, TINT, BRIGHT, PICTURE, SHARPNESS) inoperative.

- Colour temperature can not be adjusted.

System
Control
Circuit

Checking procedures

1. If the internal test pattern does not appear:

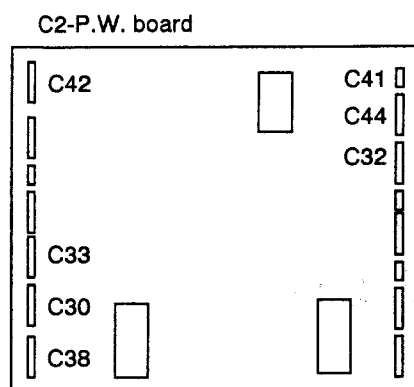


Fig. 4

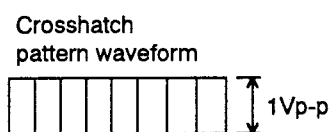
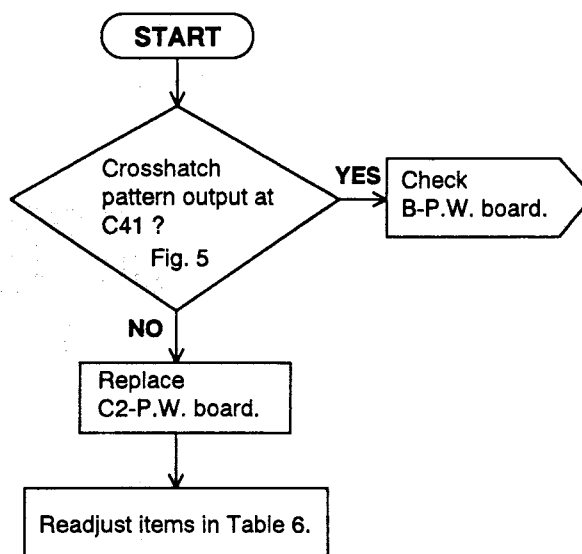


Fig. 5



2. If the digital convergence circuit fails:

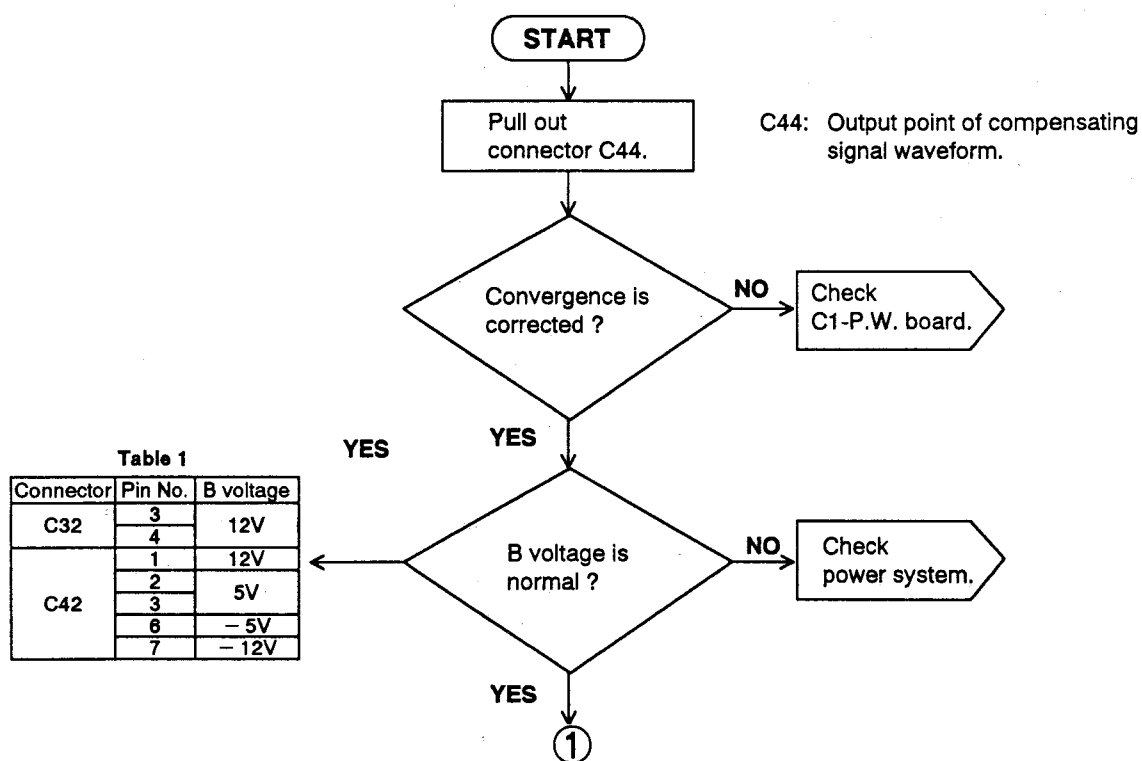


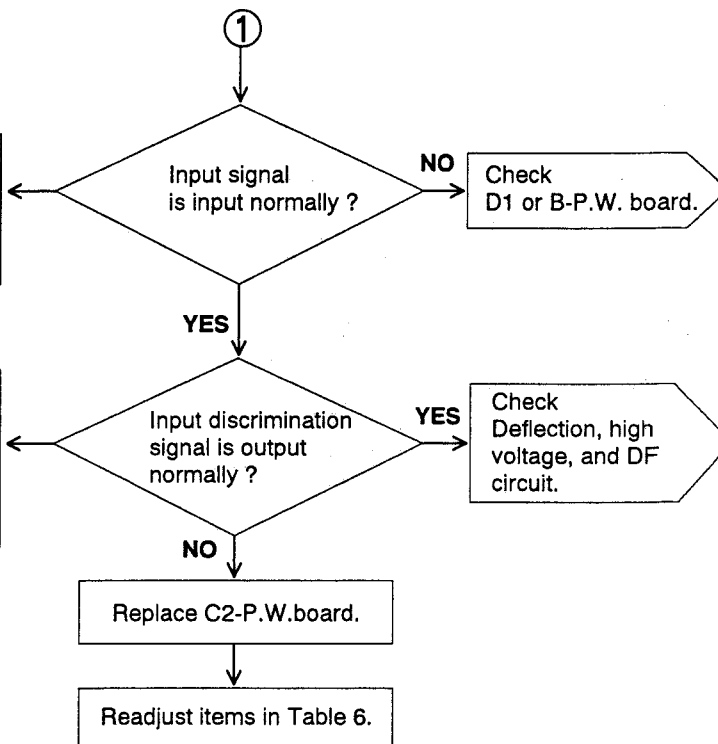
Table 2

Signal	TP	Waveform
H. Sync	TPC25	
V. Sync	TPC24	
H. Pulse	TPC22	
V. Pulse	TPC23	
		H: 1~3.5 μ s V: 130 μ s~1.5ms

Table 3

TP	Mode	NTSC	PAL	RGB 31.5kHz	RGB 33.75kHz
TPC27	L	L	L	L	L
TPC28	L	L	L	H	H
TPC29	L	H	L	L	H
TPC30	L	L	L	H	H

L = 0V
H = 5V



3. If the system control circuit fails:

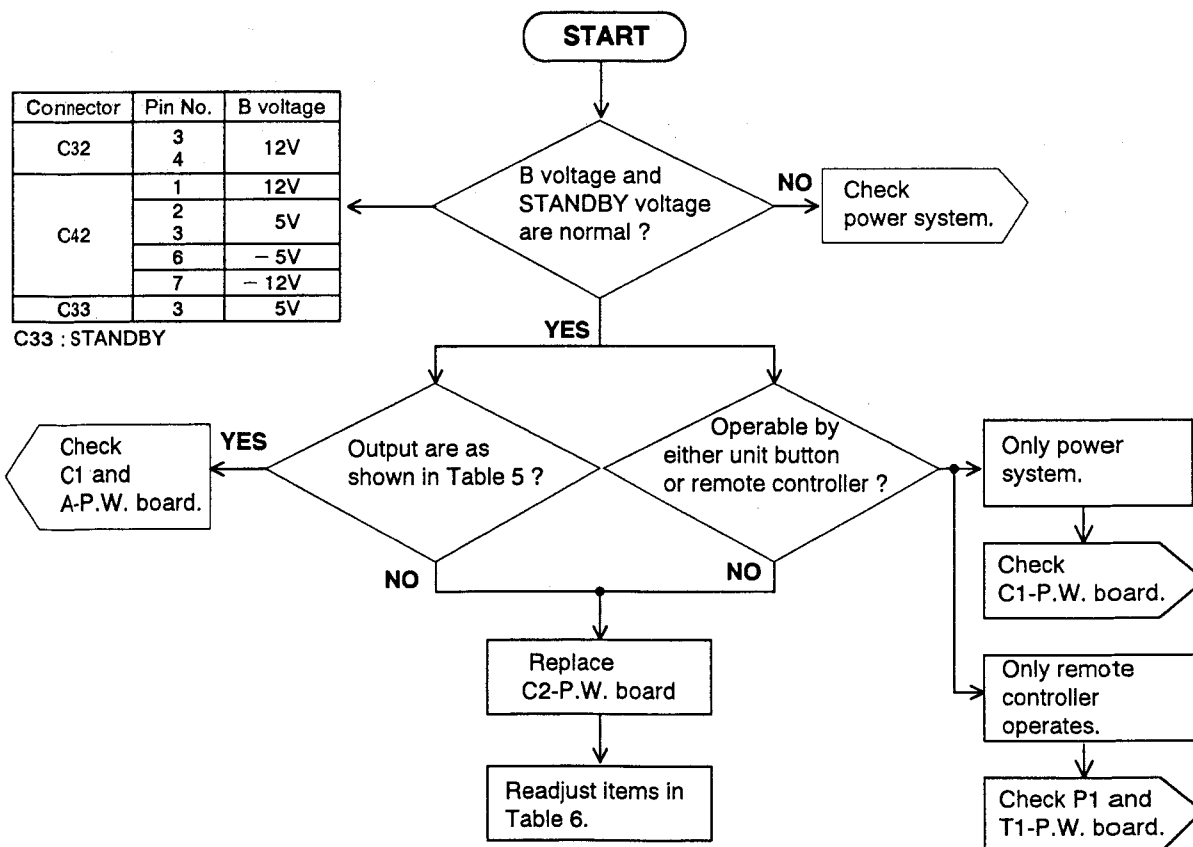


Table 5

Output	Connector	Pin No.	Mode	H/L	Output	Connector	Pin No.	Mode	L/H	
Notch	C30	①	ON	H	Input Selector	C30	②	S-VIDEO	H	
			OFF	L				LINE	L	
Test		③	ON	H		C38	⑦	RGB	H	
			OFF	L				VIDEO	L	
TV System Selector	C30	④	PAL	H	On-Screen Display	C38	①	YS	H	
			SECAM	H			②	B		
			M-NTSC	L			③	G		
			NTSC	L			④	R		
		⑤	PAL	H	Sync. Selector		⑧	EXT INT	H	
			SECAM	L					L	
			M-NTSC	H	Video Mute		⑥	ON	H	
			NTSC	L				OFF	L	
		⑥	PAL	H						
			SECAM	H						
			M-NTSC	H						
			NTSC	H						

Table 6

Readjust the following items:

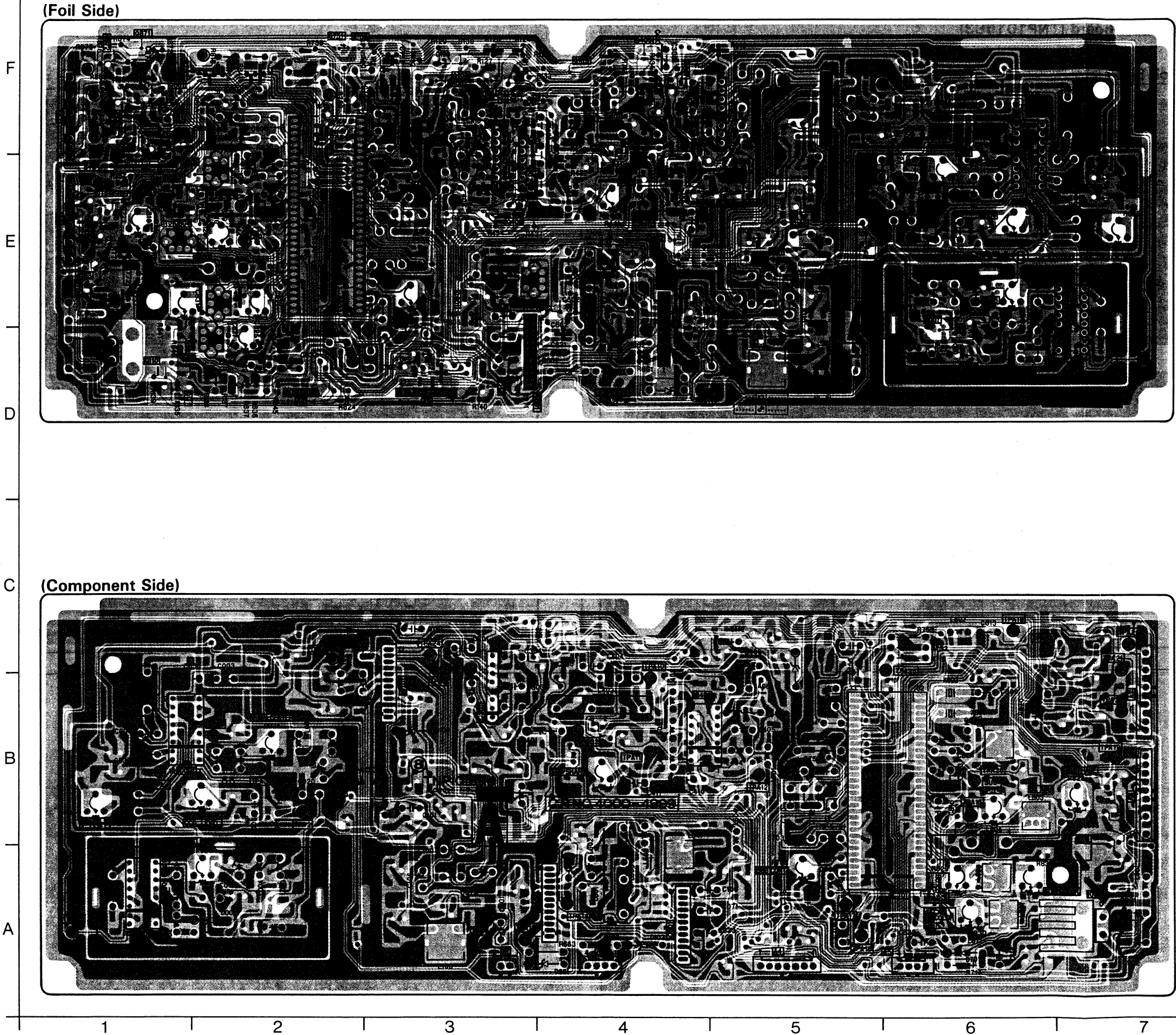
- Green raster ADJ.
- Static convergence ADJ.
- Dynamic convergence ADJ.
- Focus ADJ.
- H. SHIFT ADJ.
- Volume ADJ.
- Video ADJ.
(COLOUR, TINT, BRIGHT, PICTURE, SHARPNESS)
- Colour temp. ADJ.

Circuit Boards

A-P.W. board (TNP101694)

A-P.W. Board (FOIL SIDE)	
TRANSISTOR	
Q4001	D-4
Q4002	E-5
Q4003	E-5
Q4004	E-6
Q4005	D-6
Q4006	A-5
Q4007	A-5
Q4008	D-6
Q4009	E-6
Q4010	E-6
Q4011	E-5
Q4101	E-4
Q4102	E-5
Q4103	E-3
Q4104	D-4
Q4105	A-5
Q4106	A-5
Q4107	E-3
Q4108	E-3
Q4109	E-3
Q4110	D-1
Q4111	D-1
Q4112	D-3
Q4304	E-4
Q4305	E-4
Q4306	E-4
Q4307	E-4
Q4308	E-4
Q4401	E-4
Q4402	E-4
Q4403	E-4
Q4404	E-4
Q4405	E-4
Q4406	E-3
Q4407	E-4
Q4601	D-3
Q4641	D-3
Q4751	E-2
Q4752	E-1
Q4753	D-1
Q4754	D-1
Q4755	E-2
Q4756	E-1
Q4757	E-1
Q4801	E-1
Q4802	E-2
Q4803	E-2
Q4804	E-1
Q4805	E-1
Q4871	E-1
Q4872	E-1
Q4881	E-1
Q4882	E-1
Q4891	E-1
Q4892	E-1

ADDRESS INFORMATION



A-P.W. Board (COMPONENT SIDE)	
IC	
IC4001	B-1
IC4002	A-1
IC4101	B-3
IC4301	B-3
IC4401	B-4
IC4601	A-4
IC4602	A-3
IC4701	A-5
IC4901	A-6
VR	
R4012	B-2
R4027	A-1
R4034	B-2
R4040	B-1
R4442	B-4
R4702	A-5
R4823	B-6
R4829	A-5
R4830	A-5
R4838	A-6
R4843	A-6
VARIABLE CAPACITOR	
C4018	A-2
TP	
TPA1	A-3
TPA2	B-2
TPA3	B-2
TPA4	B-1
TPA5	B-2
TPA6	B-2
TPA7	B-3
TPA9	B-3
TPA10	B-4
TPA11	B-4
TPA12	B-4
TPA13	A-3
TPA14	A-3
TPA15	B-5
TPA16	A-5
TPA17	A-5
TPA18	C-6
TPA19	B-6
TPA20	C-6
TPA21	B-6
TPA22	B-6
TPA23	A-1
TPA24	C-3
TPA25	B-5
TPA26	B-6
TPA51	B-2
TPA52	B-3
TPA53	C-6

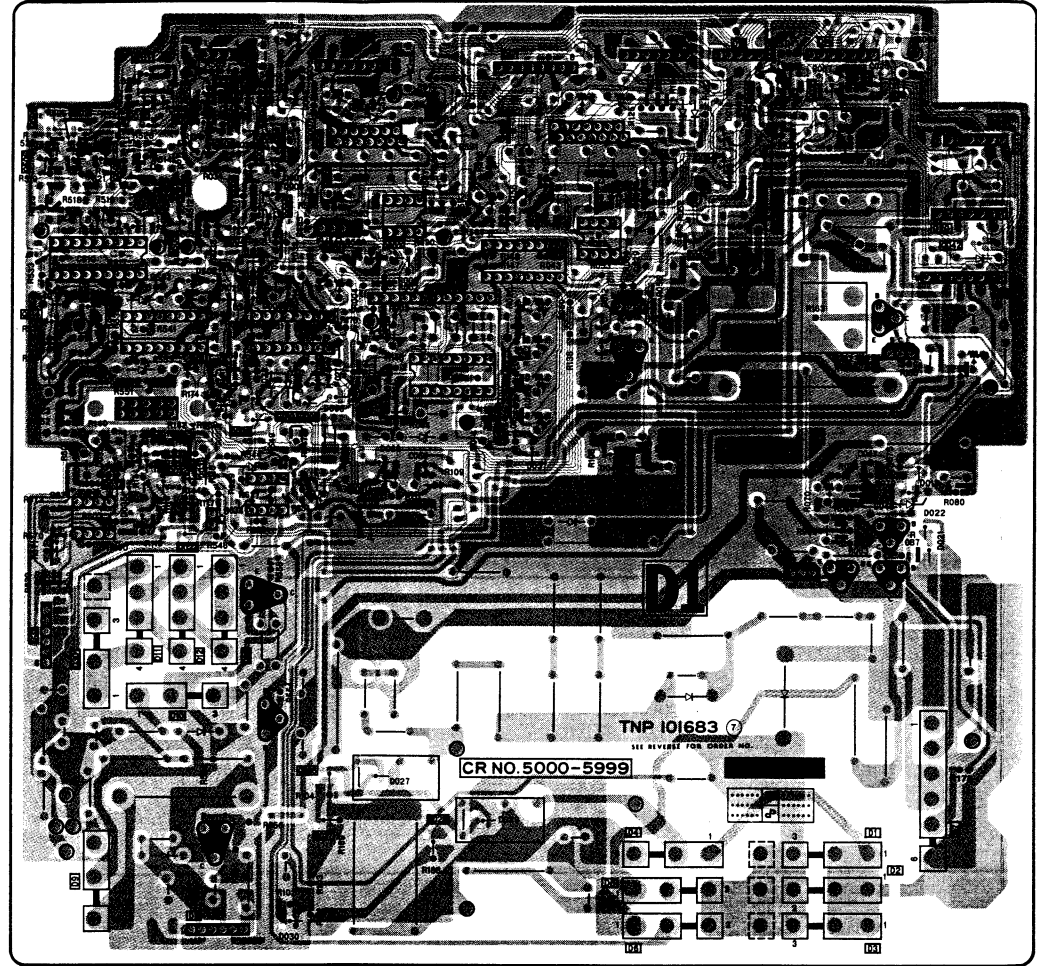
ADDRESS INFORMATION

D1-P.W. Board (FOIL SIDE)	
TRANSISTOR	
Q5001	C-2
Q5002	C-2
Q5003	C-2
Q5004	C-1
Q5005	C-2
Q5006	C-1
Q5007	C-2
Q5008	C-1
Q5009	C-1
Q5010	B-1
Q5011	C-1
Q5012	C-3
Q5013	C-3
Q5014	C-3
Q5021	B-4
Q5026	A-2
Q5027	A-2
Q5028	A-2
Q5031	B-2
Q5032	B-1
Q5033	B-1
Q5034	C-3
Q5035	C-3
Q5036	B-1
Q5037	B-1
Q5038	C-3
Q5039	C-3
Q5042	C-4
Q5501	C-1
Q5502	C-1
Q5503	C-1
Q5504	C-1
Q5505	C-1
Q5506	C-1
Q5507	C-1
Q5508	C-1
Q5510	C-1
Q5511	C-1
Q5512	C-1
Q5514	C-1
Q5522	C-2
Q5524	C-1

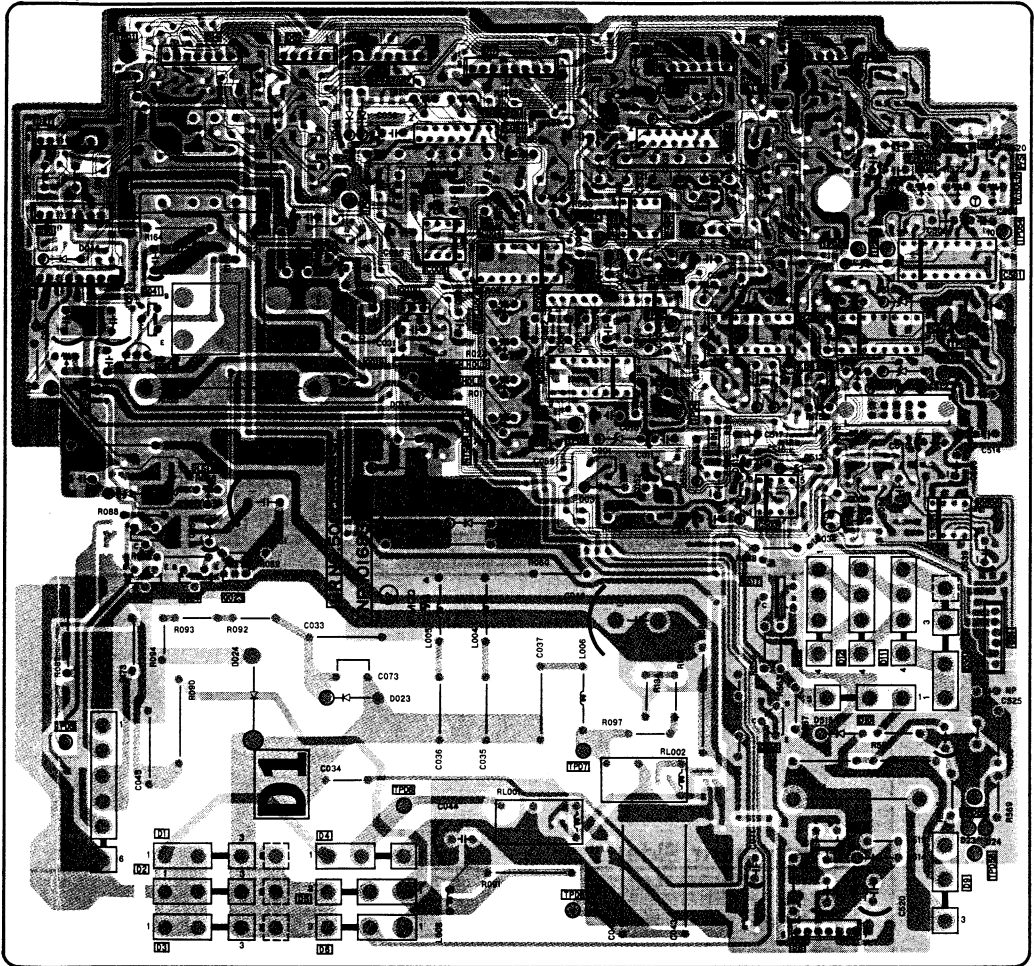
ADDRESS INFORMATION

D1-P.W. board (TNP101683)

(Foil Side)



(Component Side)



D1-P.W. Board (COMPONENT SIDE)	
TRANSISTOR	
Q5018	C-5
Q5019	C-5
Q5022	B-5
Q5023	B-5
Q5024	B-5
Q5025	B-5
Q5040	C-5
Q5041	C-5
Q5515	A-7
Q5516	A-7
Q5517	B-6
Q5523	C-6
IC	
IC5001	C-5
IC5002	C-6
IC5003	C-6
IC5004	C-6
IC5006	C-7
IC5007	C-6
IC5008	C-5
IC5501	C-7
IC5502	C-7
IC5503	B-6
IC5504	C-6
IC5506	A-7
VR	
R5017	C-6
R5019	B-6
R5021	C-6
R5023	C-6
R5025	C-6
R5078	B-5
R5121	C-6
R5123	C-5
R5158	C-4
R5520	A-7
R5522	A-7
R5524	A-7
R5550	C-7
R5577	C-6
R5595	C-6
TP	
TPD1	C-4
TPD2	C-6
TPD3	B-6
TPD4	B-6
TPD5	A-4
TPD6	A-6
TPD7	A-6
TPD8	A-5
TPD9	C-5
TPD10	B-4
TPD51	C-7
TPD53	C-7
TPD54	C-7
TPD55	C-7
TPD56	A-7
TPD57	C-6
TPD58	A-7
TPD59	C-7
TPD60	C-6
TPD62	C-7

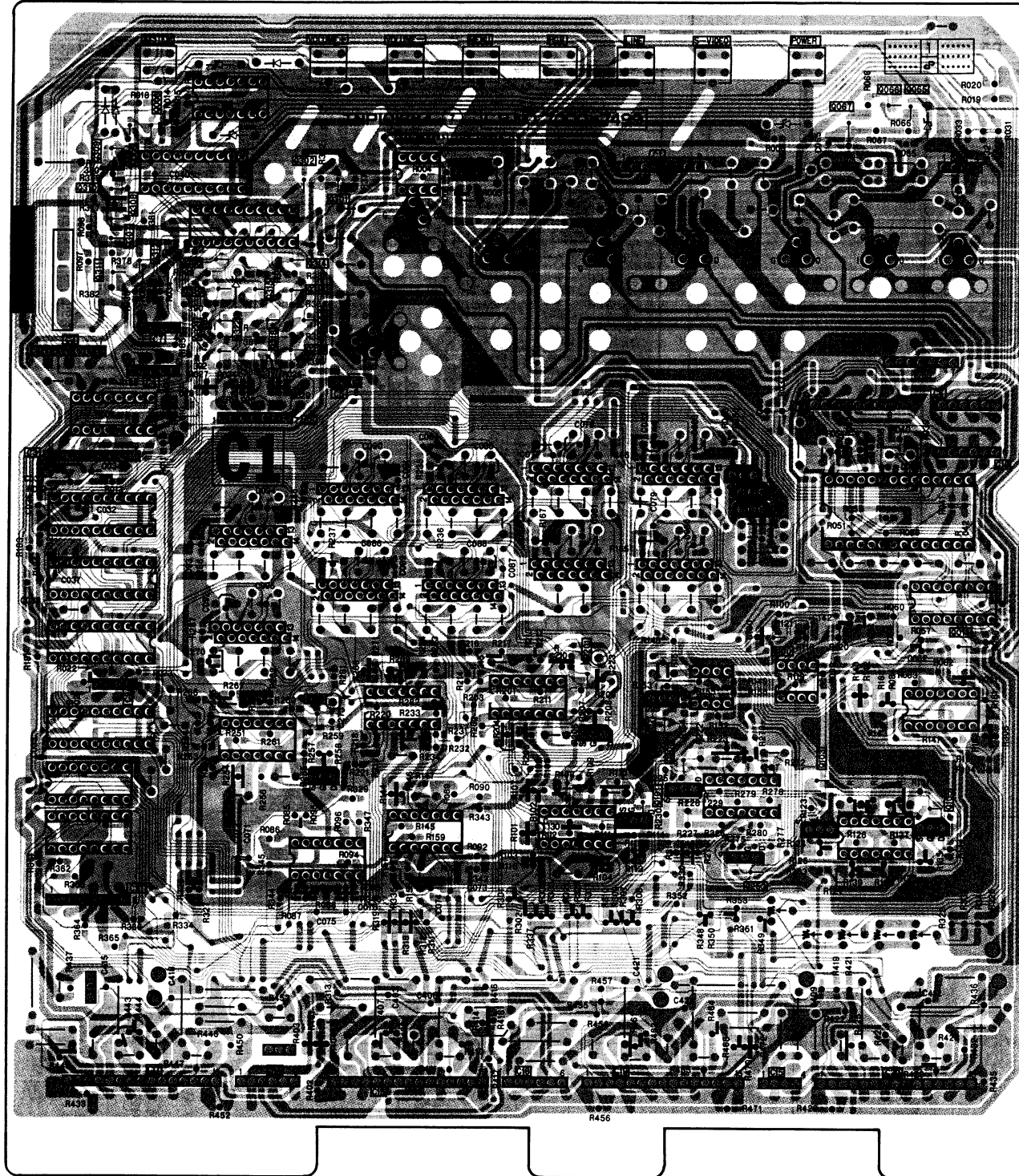
ADDRESS INFORMATION

C1-P.W. board (TNP101684)

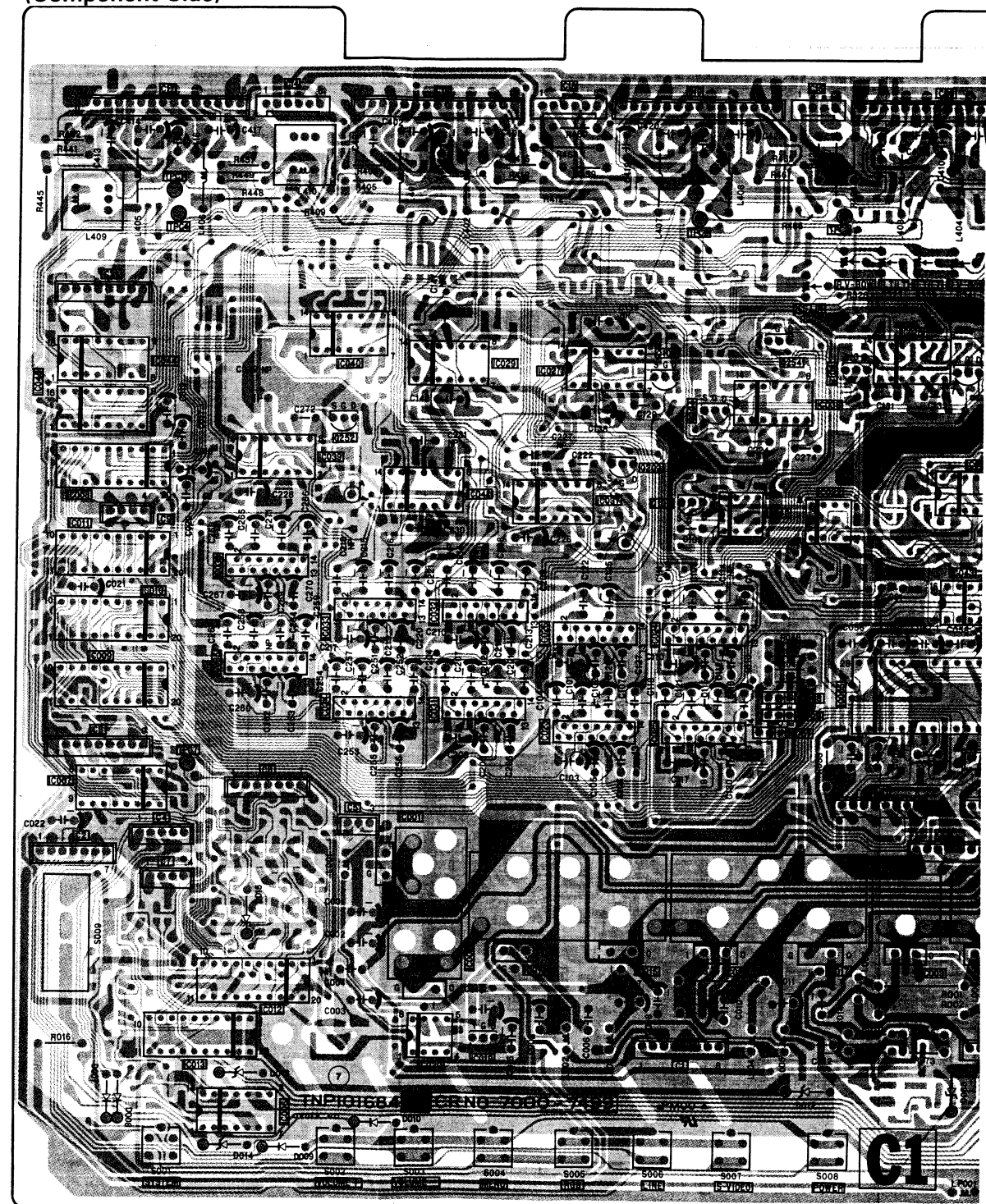
C1-P.W. Board (FOIL SIDE)	
TRANSISTOR	
Q7005	D-1
Q7006	D-1
Q7011	B-4
Q7065	D-3
Q7066	D-3
Q7067	D-3
Q7100	B-3
Q7101	B-3
Q7103	B-3
Q7105	B-4
Q7107	B-3
Q7201	B-2
Q7203	B-3
Q7251	B-2
Q7253	B-3
Q7301	D-2
Q7302	D-2
Q7307	D-1
Q7308	D-1
Q7309	D-1
Q7310	D-1
Q7311	C-1
Q7312	C-1
Q7313	C-2
Q7314	C-2
Q7315	C-1
Q7317	C-1
Q7318	C-1
Q7319	C-1
Q7320	C-1
Q7321	C-1
Q7322	C-1
Q7323	C-2
Q7324	C-2

ADDRESS INFORMATION

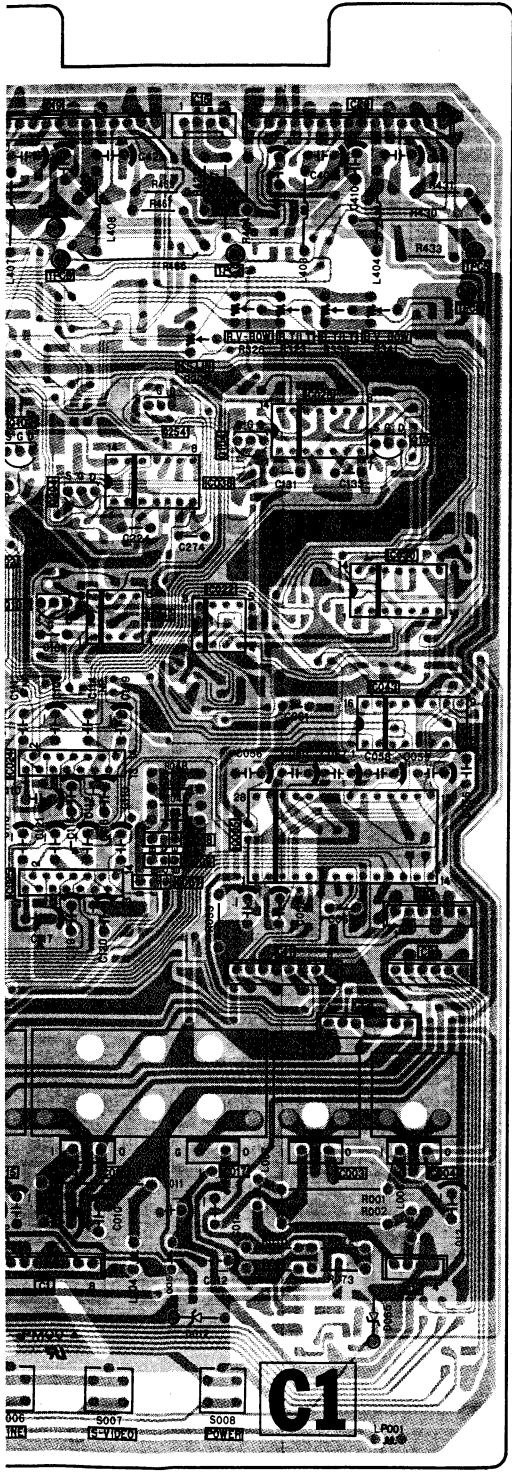
(Foil Side)



(Component Side)



E1-P.W. board (TNP101688)



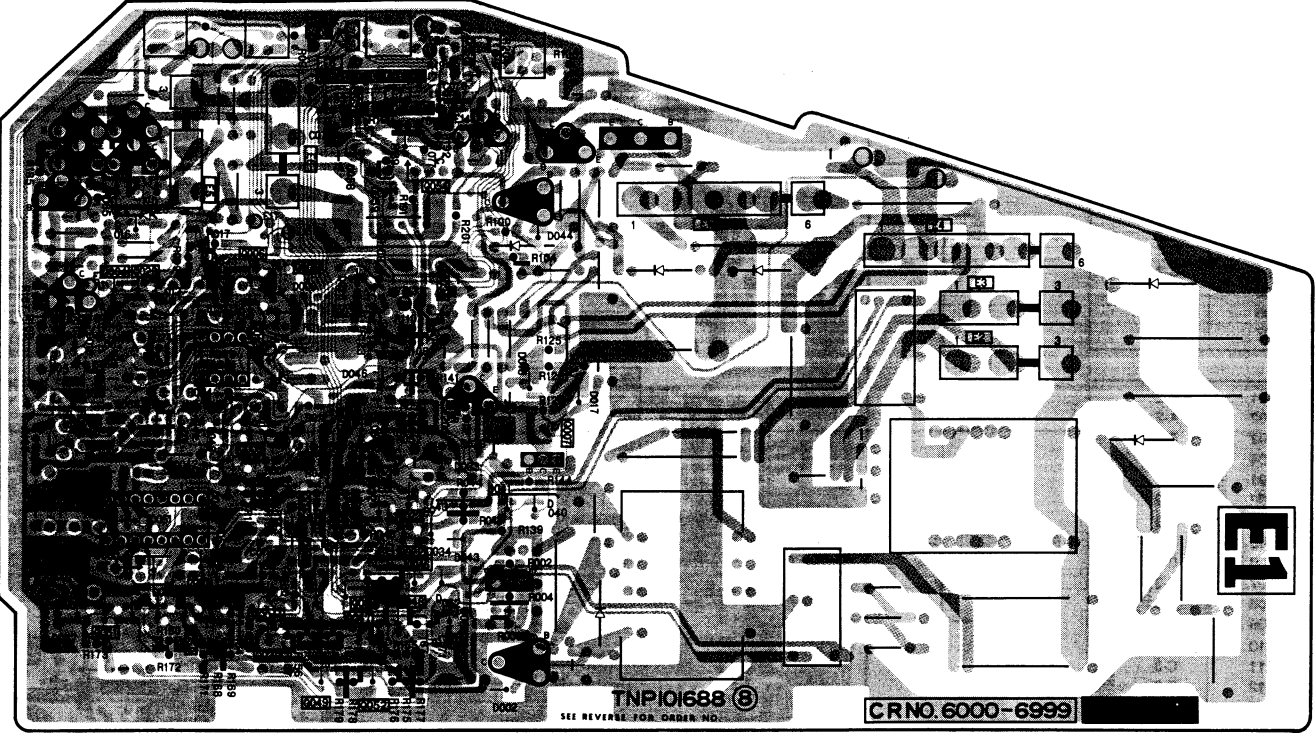
C1-P.W. Board (COMPONENT SIDE)	
TRANSISTOR	
Q7007	B-6
Q7008	B-6
Q7009	B-6
Q7102	C-6
Q7104	C-6
Q7106	C-7
Q7108	C-6
Q7202	C-6
Q7204	C-6
Q7252	C-5
Q7254	C-6
IC	
IC7001	B-5
IC7002	A-5
IC7003	A-7
IC7004	A-7
IC7005	B-7
IC7006	A-5
IC7007	B-4
IC7008	C-4
IC7009	B-4
IC7010	C-4
IC7011	C-4
IC7012	A-5
IC7013	A-5
IC7014	A-6
IC7015	A-6
IC7016	A-6
IC7017	A-6
IC7019	A-5
IC7020	A-5
IC7022	C-6
IC7023	B-6
IC7024	B-6
IC7025	B-6
IC7026	B-6
IC7027	C-6
IC7028	C-7
IC7029	C-5
IC7030	C-7
IC7031	B-5
IC7032	B-5
IC7033	B-5
IC7034	B-5
IC7035	B-5
IC7036	C-5
IC7037	C-6
IC7038	C-6
IC7039	C-5
IC7040	C-5
IC7041	C-5
IC7042	C-6
IC7043	C-7
IC7044	C-4
IC7045	C-4
VR	
R7306	C-6
R7323	C-7
R7326	C-6
R7339	C-7
R7341	C-7
TP	
TPC1	D-4
TPC2	D-6
TPC3	D-6
TPC4	D-4
TPC5	D-7
TPC6	D-6
TPC7	B-5
TPC8	D-7

ADDRESS INFORMATION

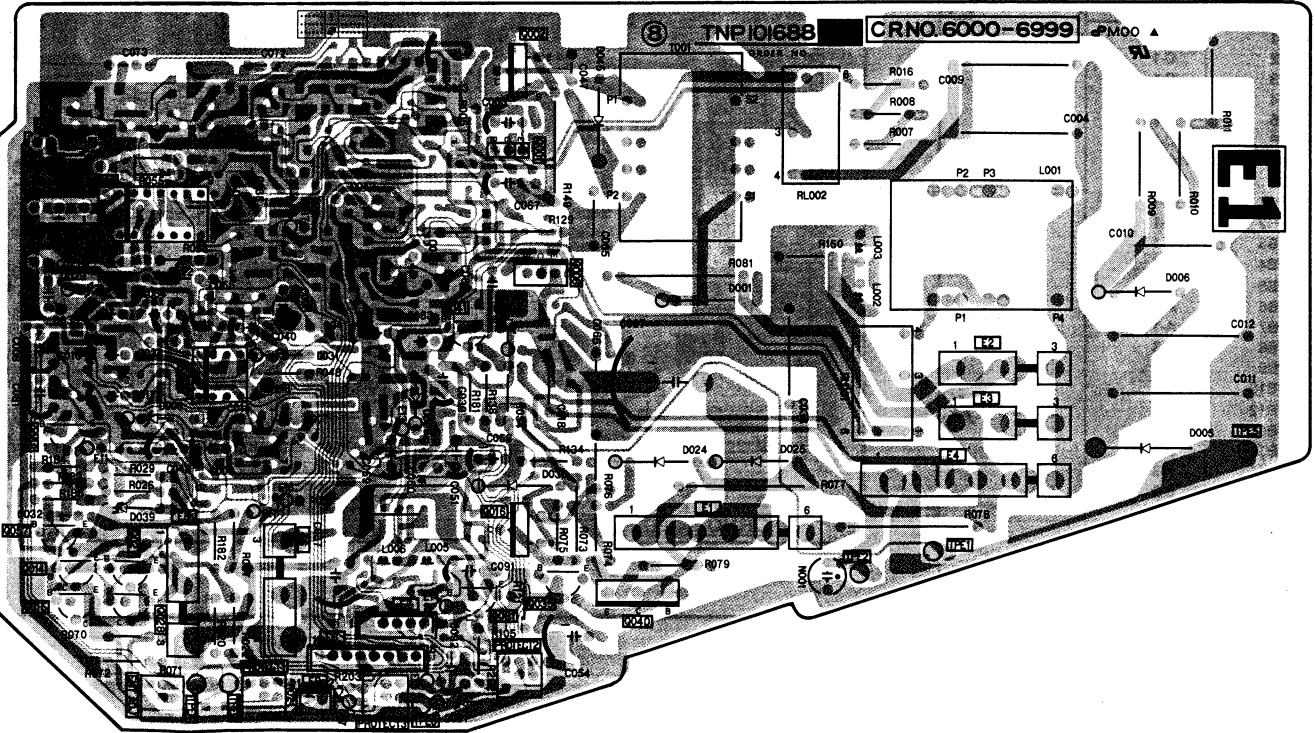
E1-P.W. Board (FOIL SIDE)	
TRANSISTOR	
Q6003	D-1
Q6004	E-1
Q6005	E-2
Q6006	E-1
Q6007	D-2
Q6010	D-2
Q6011	D-1
Q6012	E-1
Q6021	D-2
Q6022	D-2
Q6023	D-2
Q6029	E-1
Q6030	E-2
Q6031	E-2
Q6039	D-2
Q6042	D-2
Q6044	D-2
Q6045	D-2
Q6046	D-2
Q6047	D-2
Q6048	D-2
Q6049	C-2
Q6050	D-1
Q6051	D-1
Q6052	C-2
Q6053	D-2
Q6054	E-2
Q6055	E-2
Q6056	E-2

ADDRESS INFORMATION

(Foil Side)



(Component Side)



E1-P.W. Board (COMPONENT SIDE)	
TRANSISTOR	
Q6001	C-2
Q6002	C-2
Q6008	B-2
Q6014	A-1
Q6015	A-1
Q6016	A-2
Q6027	A-1
Q6028	A-1
Q6035	A-2
Q6040	A-3
Q6041	B-2
Q6057	A-1
Q6058	B-1
Q6061	A-2
IC	
IC6001	B-1
IC6002	B-1
VR	
R6021	A-2
R6071	A-1
R6105	A-2
R6203	A-2
TP	
TPE1	A-4
TPE2	A-3
TPE3	A-1
TPE4	A-1
TPE5	B-4
TPE6	A-2

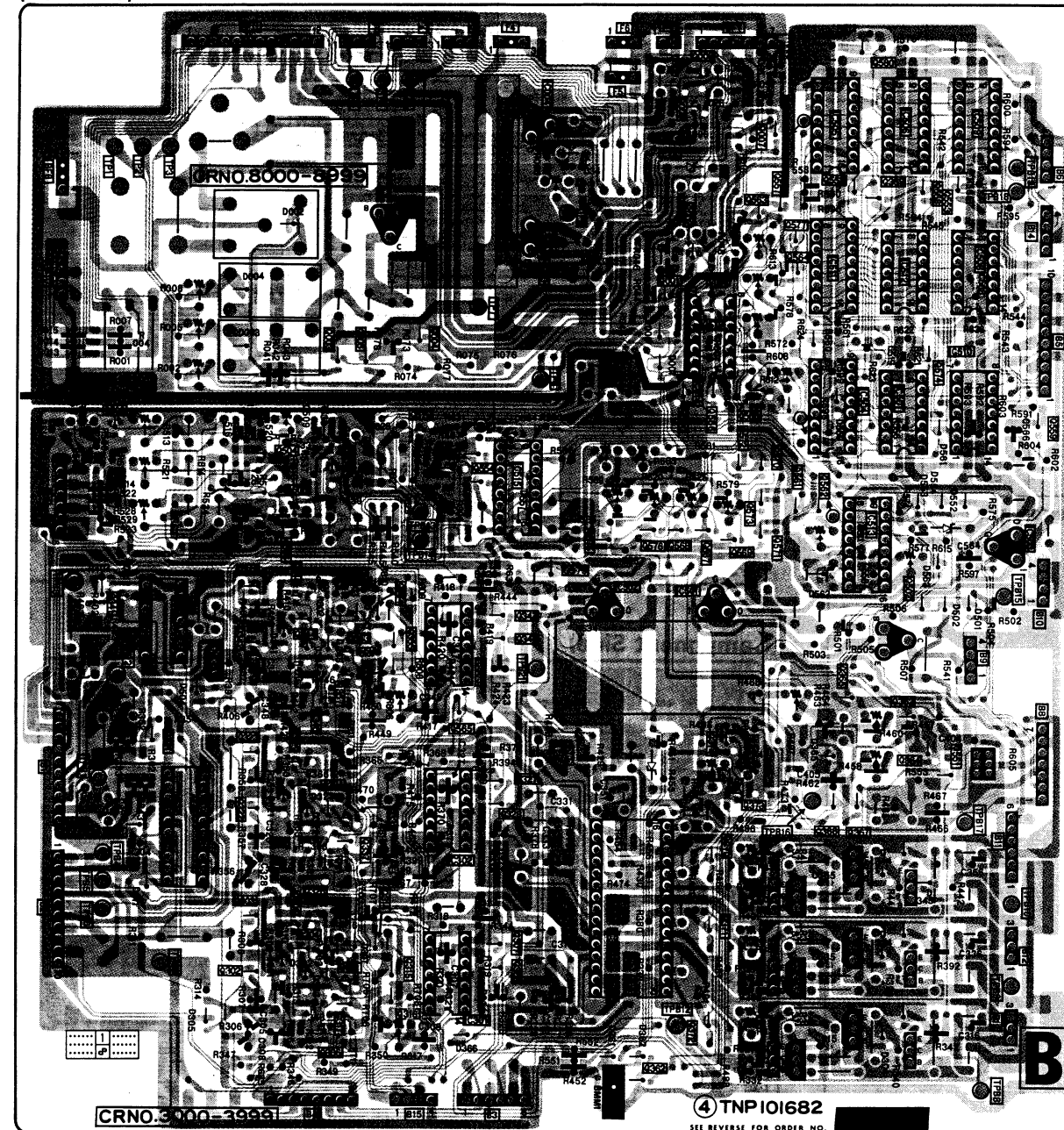
ADDRESS INFORMATION

B-P.W. Board (FOIL SIDE)			
TRANSISTOR			
Q3301	B-1	Q3568	B-3
Q3302	A-1	Q3569	B-3
Q3303	A-1	Q3570	C-3
Q3304	A-2	Q3571	B-3
Q3305	A-1	Q3572	C-3
Q3306	A-2	Q3573	B-3
Q3307	A-2	Q3575	B-2
Q3308	A-2	Q3576	B-2
Q3313	A-2	Q3577	C-3
Q3314	A-2	Q3578	C-3
Q3315	A-2	Q3579	C-2
Q3316	A-2	Q8001	C-3
Q3317	A-2	Q8002	C-3
Q3321	B-1	Q8003	C-2
Q3322	B-1	Q8004	C-2
Q3323	B-1	Q8005	C-2
Q3324	B-2	Q8007	D-3
Q3325	B-1		
Q3326	A-2	IC	
Q3327	B-2	IC3301	A-2
Q3328	B-2	IC3302	A-2
Q3333	B-2	IC3303	B-2
Q3337	B-2	IC3304	A-2
Q3341	B-1	IC3501	B-3
Q3342	B-1	IC3502	B-2
Q3343	B-1	IC3504	C-3
Q3344	B-2	IC3505	D-3
Q3345	B-1	IC3506	D-3
Q3346	B-2	IC3507	C-3
Q3347	B-2	IC3508	C-3
Q3348	B-2	IC3509	D-3
Q3353	B-2	IC3510	C-3
Q3354	B-2	IC3511	C-3
Q3355	B-2	IC3512	C-3
Q3356	B-2	IC3513	B-3
Q3357	B-2	IC3514	C-3
Q3362	A-2	IC3515	C-2
Q3363	B-3	IC8003	C-2
Q3364	B-3	IC8004	D-2
Q3365	B-3		
Q3366	B-3	TP	
Q3367	B-3	TP1	C-1
Q3369	C-3	TP2	C-1
Q3370	B-3	TP3	C-1
Q3371	A-3	TP4	D-2
Q3372	A-3	TP5	D-2
Q3373	B-3	TP6	D-2
Q3374	B-3	TP7	C-2
Q3502	B-3	TP8	C-2
Q3503	C-1	TPB1	B-1
Q3504	C-1	TPB2	B-1
Q3505	C-1	TPB3	B-1
Q3506	B-1	TPB4	A-1
Q3507	C-2	TPB5	A-1
Q3551	B-3	TPB6	A-1
Q3552	C-3	TPB7	A-3
Q3553	C-3	TPB8	A-3
Q3554	C-2	TPB9	A-3
Q3555	C-2	TPB10	A-4
Q3556	C-3	TPB12	A-3
Q3557	C-3	TPB13	B-2
Q3558	C-3	TPB14	B-2
Q3559	C-4	TPB15	B-3
Q3560	C-3	TPB16	B-3
Q3561	C-3	TPB17	B-3
Q3562	C-3	TPB18	C-3
Q3563	C-3	TPB19	C-4
Q3564	C-3	TPB20	D-3
Q3565	B-2	TPB21	B-2
Q3566	C-3		
Q3567	B-3		

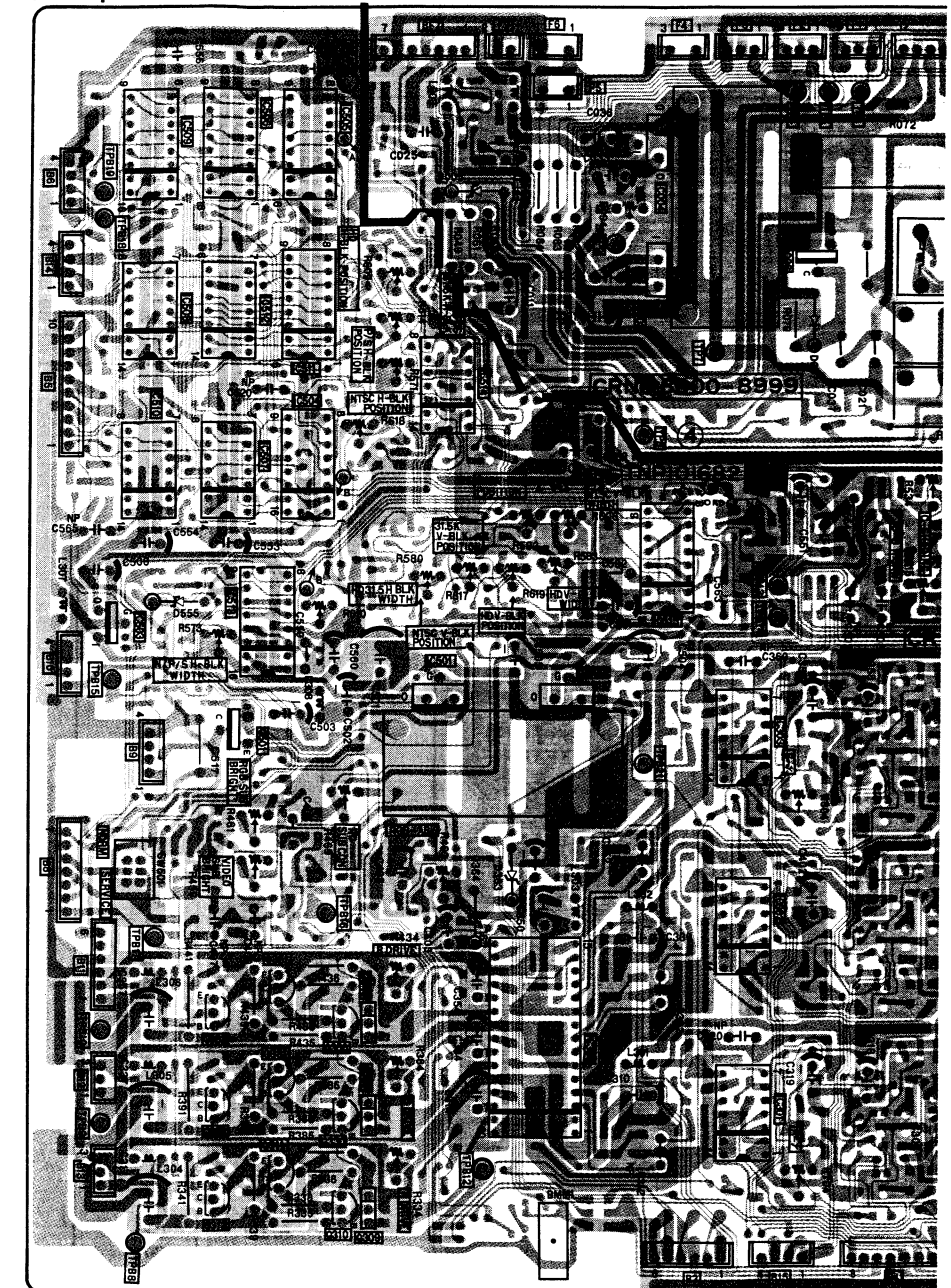
ADDRESS INFORMATION

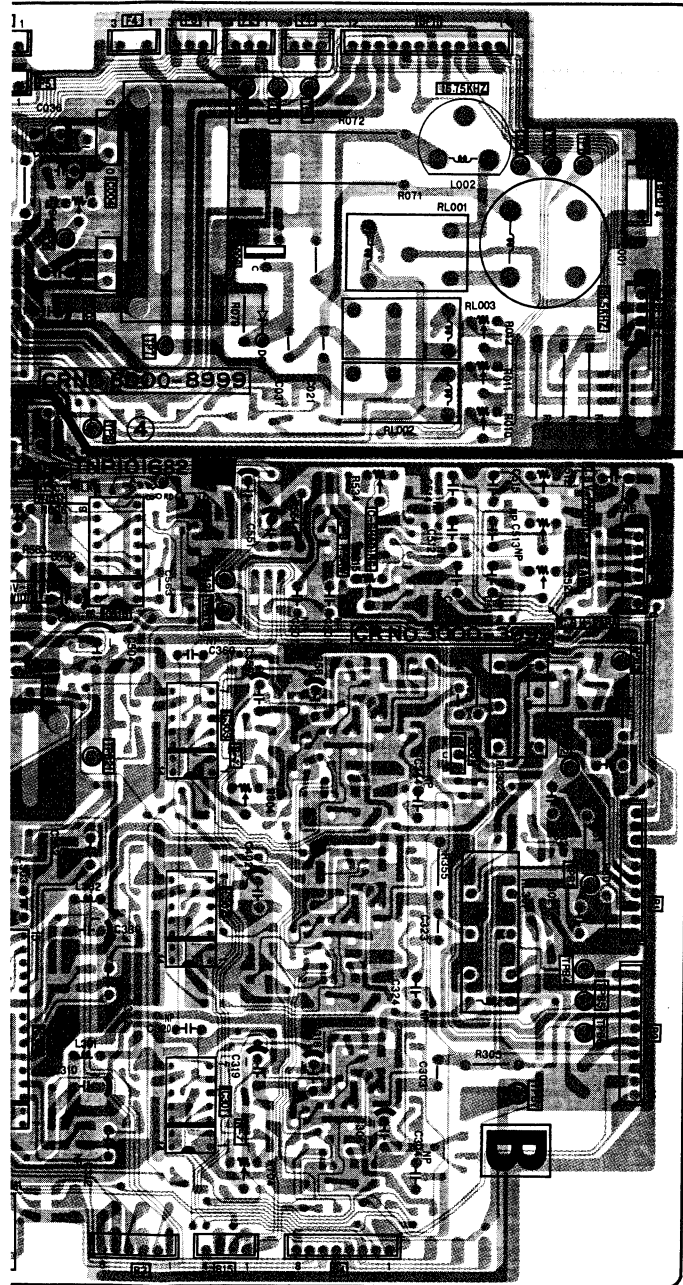
B-P.W. board (TNP101682BZ)

(Foil Side)



(Component Side)

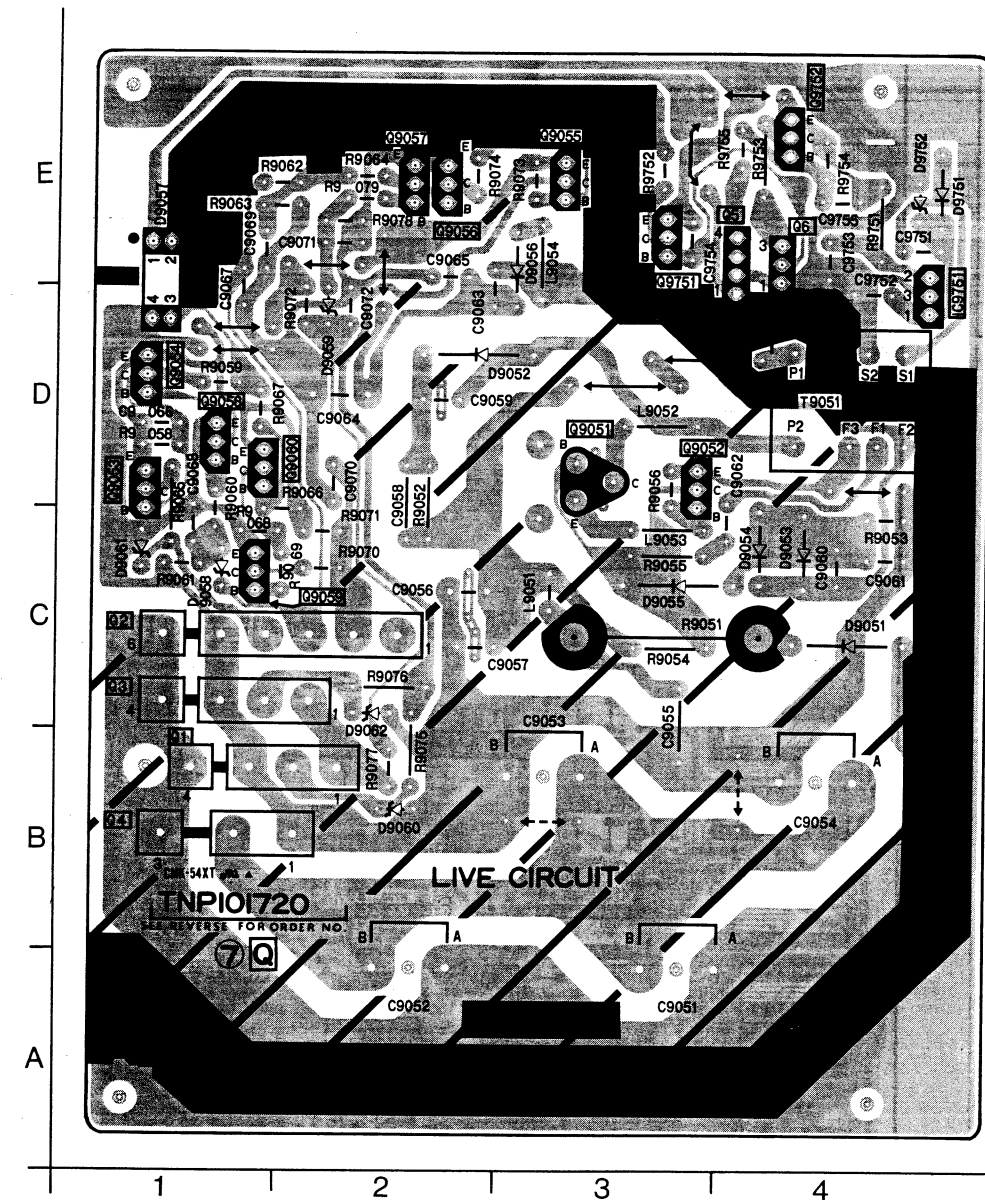




B-P.W. Board (COMPONENT SIDE)			
TRANSISTOR			
Q3309	A-5	R3534	C-6
Q3310	A-5	R3571	C-5
Q3311	A-5	R3573	B-4
Q3312	A-4	R3580	C-5
Q3329	A-5	R3582	C-5
Q3330	A-5	R3583	C-5
Q3331	A-5	R3606	C-5
Q3332	A-4	R3609	C-5
Q3349	A-5	R3610	B-5
Q3350	A-5	R3614	C-5
Q3351	B-5	R3617	B-5
Q3352	A-4	R3618	C-5
Q3361	B-6	R3619	B-5
Q3501	B-5	R3704	A-6
Q8006	C-6	R3804	B-6
		R8010	C-7
		R8011	C-7
		R8012	C-7
IC		TP	
IC3301	A-6	TP1	D-7
IC3302	B-6	TP2	D-7
IC3303	B-6	TP3	D-7
IC3304	A-5	TP4	D-6
IC3501	B-5	TP5	D-6
IC3502	B-5	TP6	D-6
IC3503	B-4	TP7	C-6
IC3504	C-5	TP8	C-6
IC3505	D-5	TPB1	B-7
IC3506	D-5	TPB2	B-7
IC3507	C-5	TPB3	B-7
IC3508	C-4	TPB4	B-7
IC3509	D-4	TPB5	A-7
IC3510	C-4	TPB6	A-7
IC3511	C-5	TPB7	A-7
IC3512	C-5	TPB8	A-4
IC3515	B-6	TPB9	A-4
IC3614	C-5	TPB10	A-4
IC8003	C-6	TPB12	A-5
IC8004	C-6	TPB13	B-6
		TPB14	B-6
		TPB15	B-4
		TPB16	B-5
		TPB17	B-4
		TPB18	C-4
		TPB19	C-4
		TPB20	D-5
		TPB21	B-6
VR			
R3334	A-5		
R3384	A-5		
R3434	B-5		
R3459	B-5		
R3461	B-5		
R3463	B-5		
R3469	B-5		
R3512	C-7		
R3519	C-7		
R3526	C-7		

ADDRESS INFORMATION

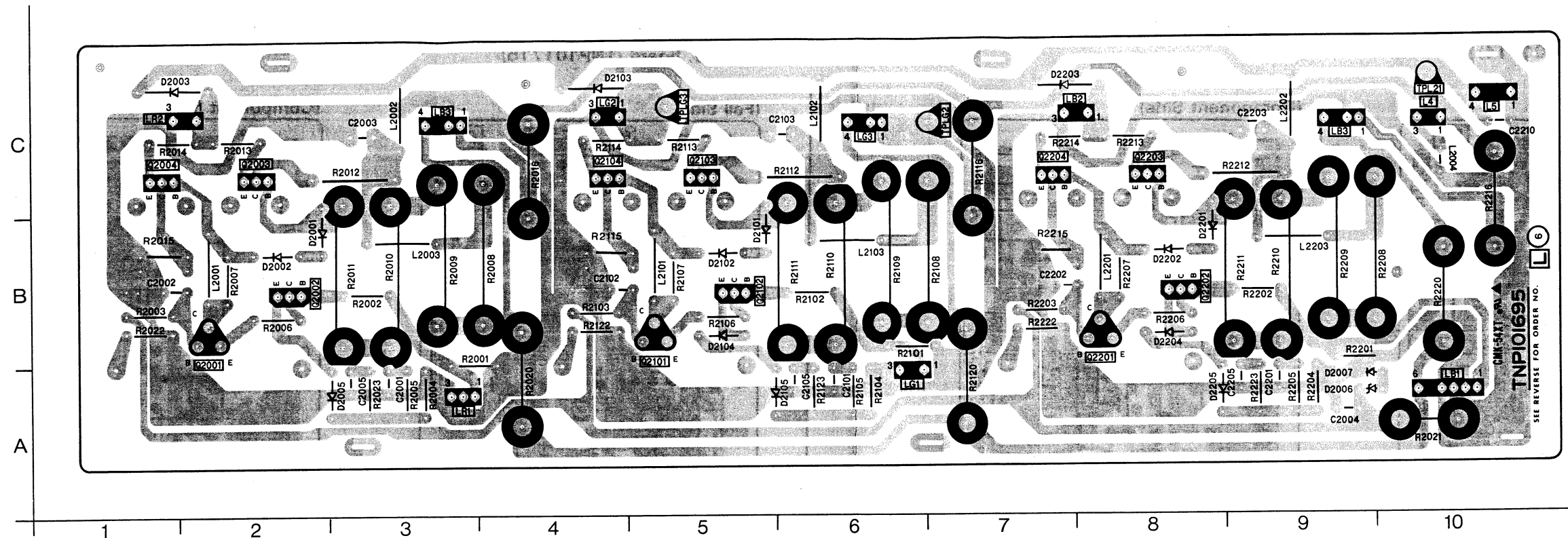
Q-P.W. board (TNP101720BZ)



Q-P.W. Board	
TRANSISTOR	
Q1	C-1
Q2	C-1
Q3	C-1
Q4	B-1
Q5	E-4
Q6	E-4
Q9051	D-3
Q9052	D-4
Q9053	D-1
Q9054	D-1
Q9055	E-3
Q9056	E-2
Q9057	E-2
Q9058	D-1
Q9059	C-2
Q9060	D-2
Q9751	E-4
Q9752	E-4
IC	
IC9751	E-5

ADDRESS INFORMATION

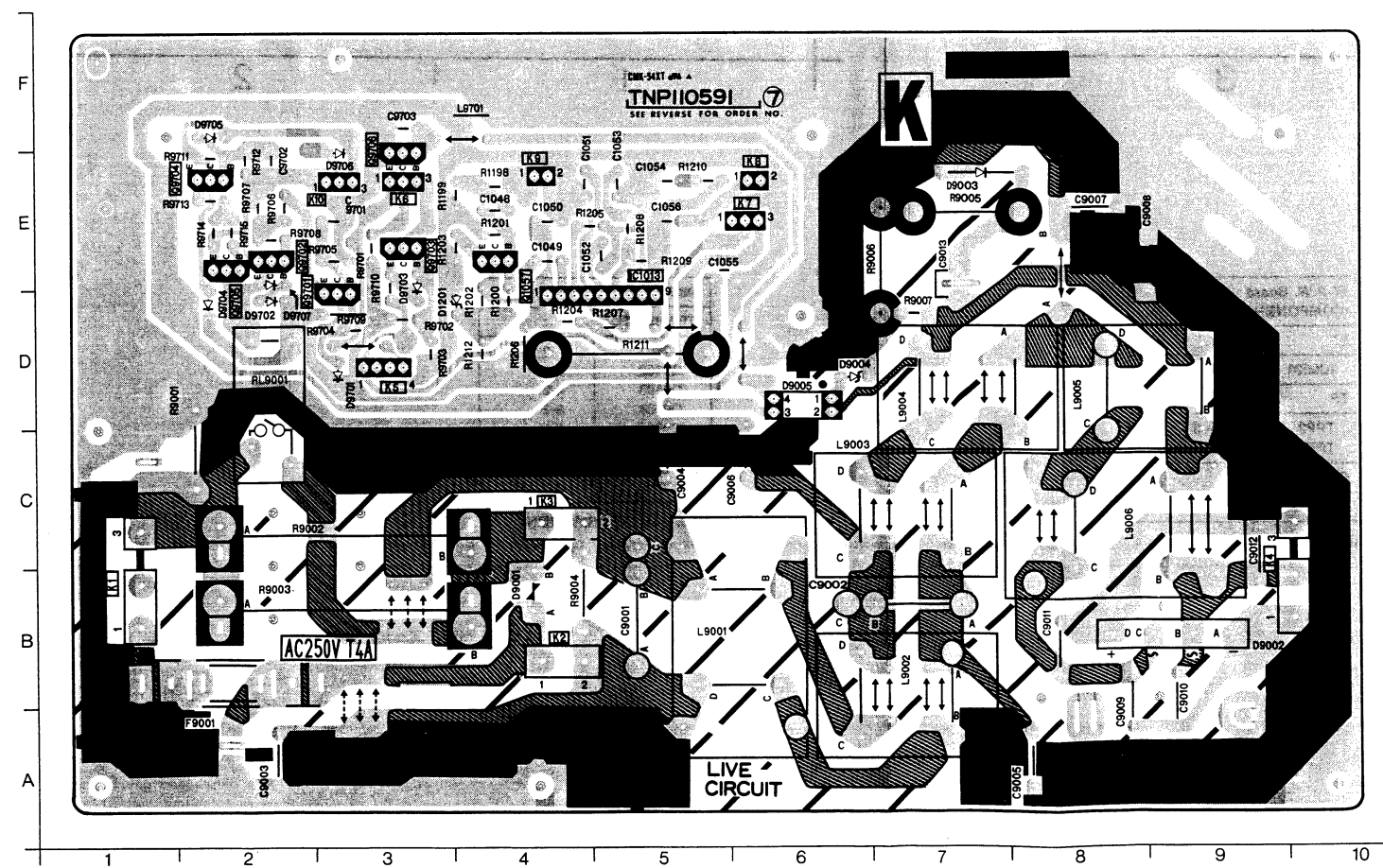
L-P.W. board (TNP101695)



L-P.W. Board	
TRANSISTOR	
Q2001	B-2
Q2002	B-2
Q2003	C-2
Q2004	C-1
Q2101	B-5
Q2102	B-6
Q2103	C-5
Q2104	C-5
Q2201	B-9
Q2202	B-9
Q2203	C-9
Q2204	C-8
TP	
TPL21	C-11
TPLG2	C-7
TPLG3	C-5

ADDRESS INFORMATION

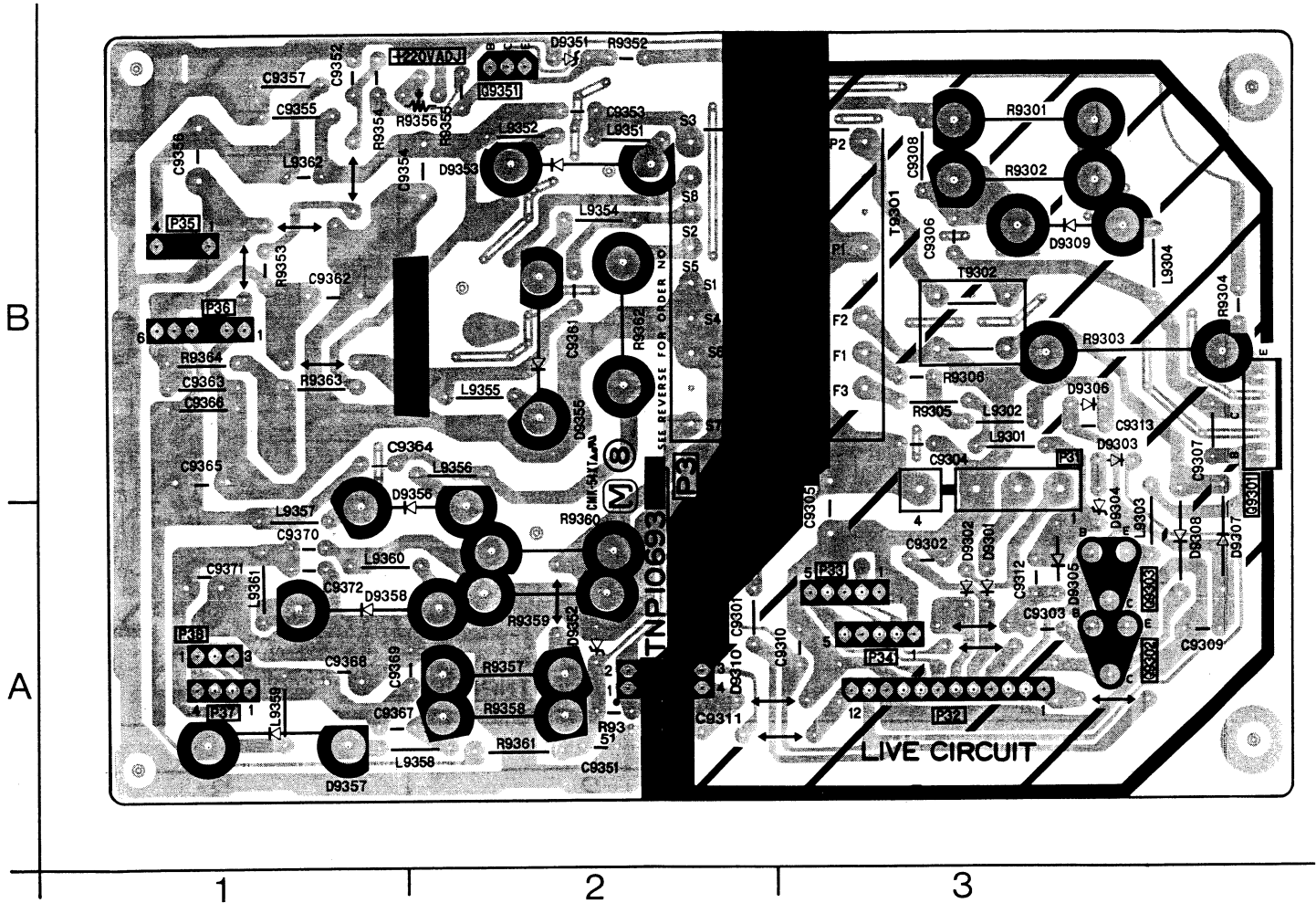
K-P.W. board (TNP110591)



K-P.W. Board	
TRANSISTOR	
Q1057	D-4
Q9701	D-2
Q9702	D-2
Q9703	D-3
Q9704	E-1
Q9705	D-2
Q9706	E-3
IC	
IC1013	D-5

ADDRESS INFORMATION

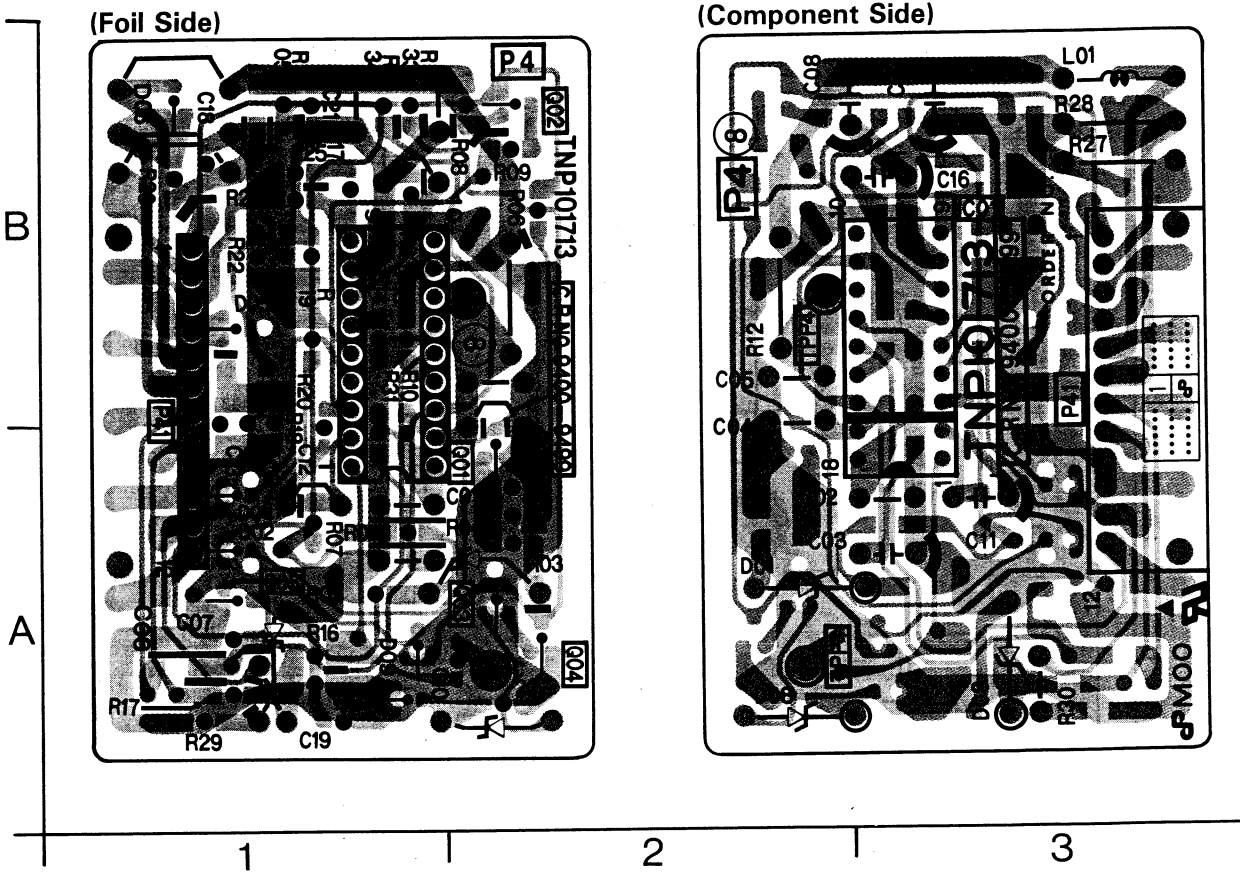
P3-P.W. board (TNP101693)



P3-P.W. Board	
TRANSISTOR	
Q9301	A-3
Q9302	A-3
Q9303	A-3
Q9351	B-2
VR	
R9356	B-2
CONNECTOR	
P31	B-3
P32	A-3
P33	A-3
P34	A-3
P35	B-1
P36	B-1
P37	A-1
P38	A-1

ADDRESS INFORMATION

P4-P.W. board (TNP101713)



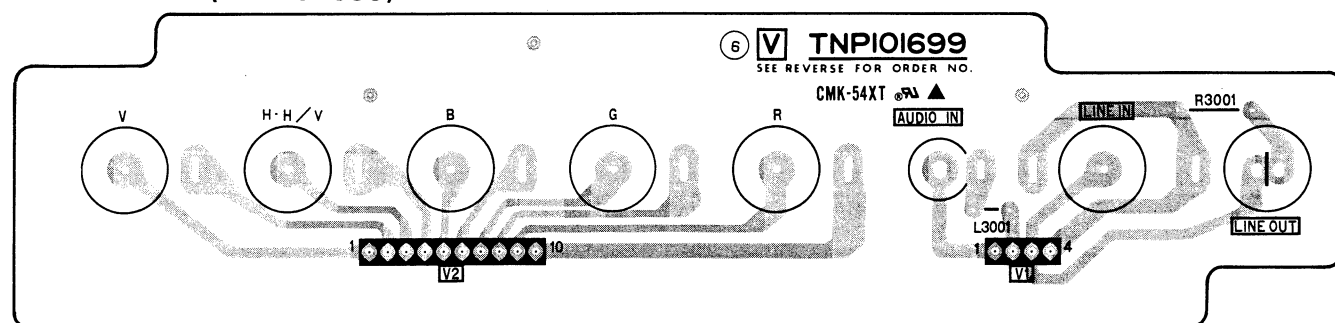
P4-P.W. Board (FOIL SIDE)	
TRANSISTOR	
Q9401	A-2
Q9402	B-2
Q9403	A-2
Q9404	A-2
Q9405	A-1
CONNECTOR	
P9441	B-1

ADDRESS INFORMATION

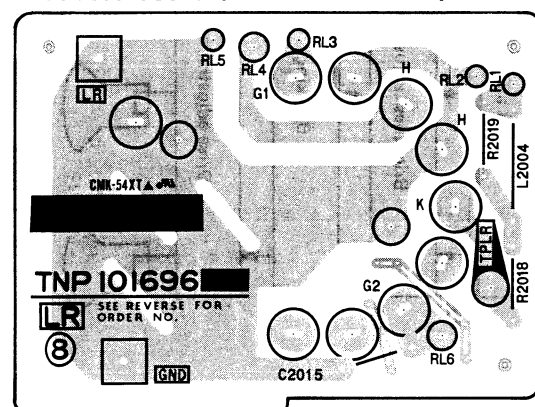
P4-P.W. Board (COMPONENT SIDE)	
IC	
IC9401	B-3
TP	
TPP1	A-3
TPP4	B-3
CONNECTOR	
P9441	B-3

ADDRESS INFORMATION

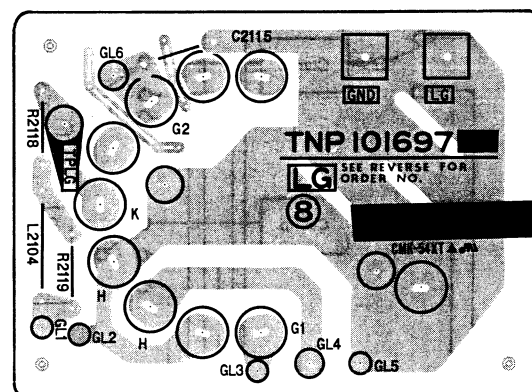
V-P.W. board (TNP101699)



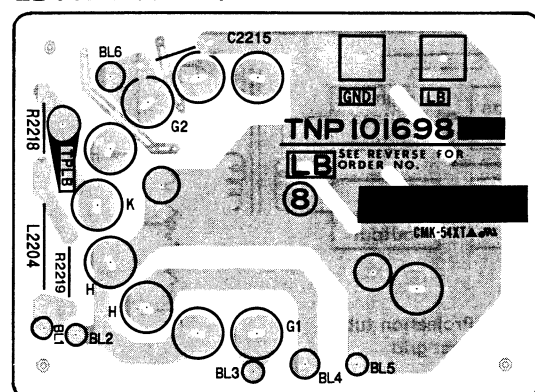
LR-P.W. board (TNP101696AA)



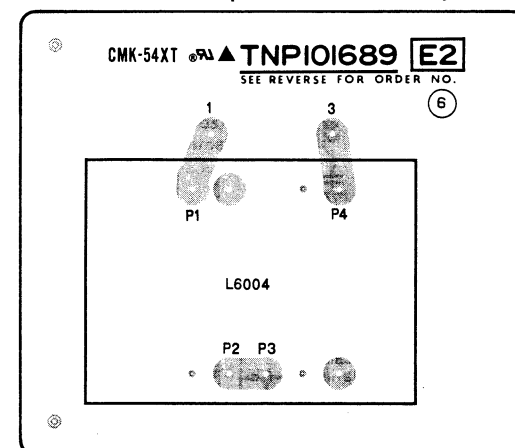
LG-P.W. board (TNP101697AA)



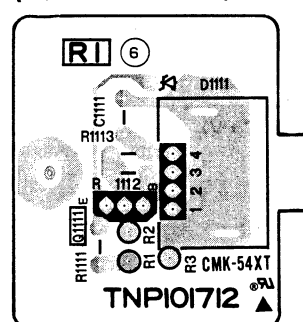
LB-P.W. board (TNP101698AA)



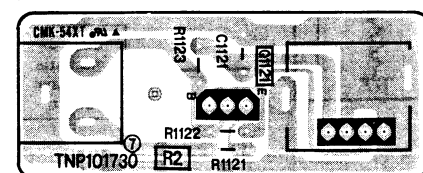
E2-P.W. board (TNP101689ZA)



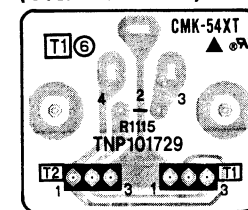
**R1-P.W. board
(TNP101712ZA)**



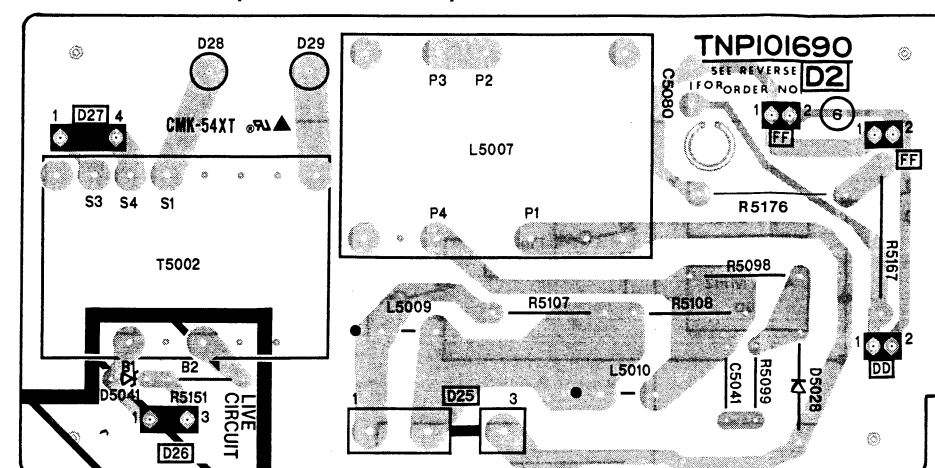
R2-P.W. board (TNP101730)



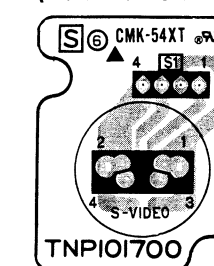
**T1-P.W. board
(TNP101729)**



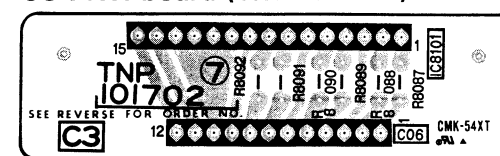
D2-P.W. board (TNP101690ZA)



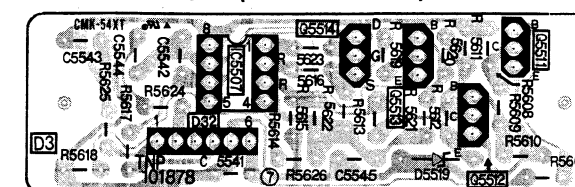
**S-P.W. board
(TNP101700)**



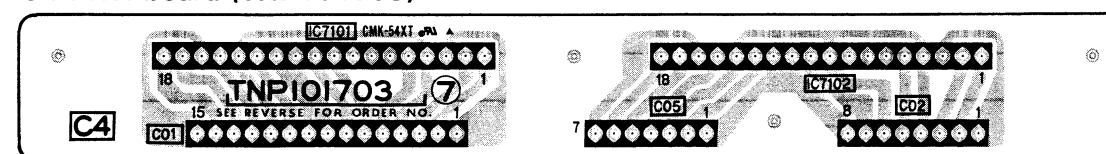
C3-P.W. board (TNP101702)



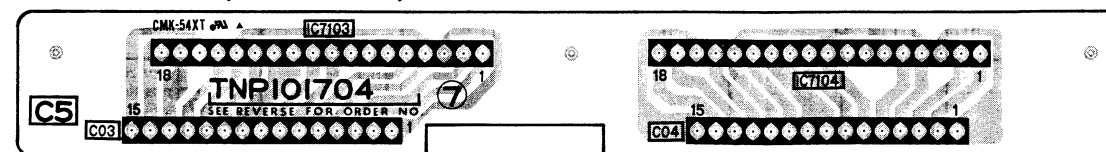
D3-P.W. board (TNP101878)



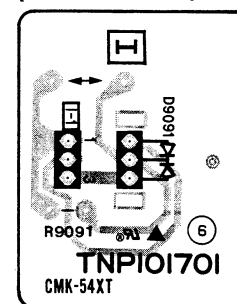
C4-P.W. board (TNP101703)



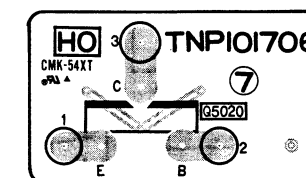
C5-P.W. board (TNP101704)



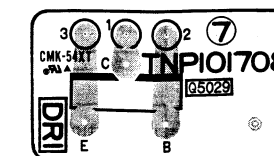
**I-P.W. board
(TNP101701)**



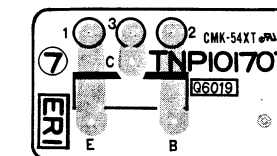
**H0-P.W. board
(TNP101706ZA)**



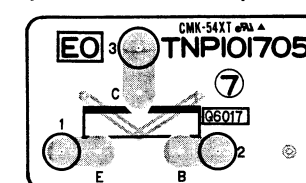
**DR1-P.W. board
(TNP101708ZA)**



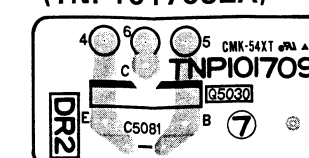
**ER1-P.W. board
(TNP101707ZA)**



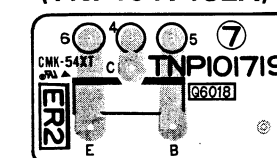
**E0-P.W. board
(TNP101705ZA)**



**DR2-P.W. board
(TNP101709ZA)**



ER2-P.W. board
(TNP101719ZA)



Block Diagram

1. Signal Processing Block Diagram

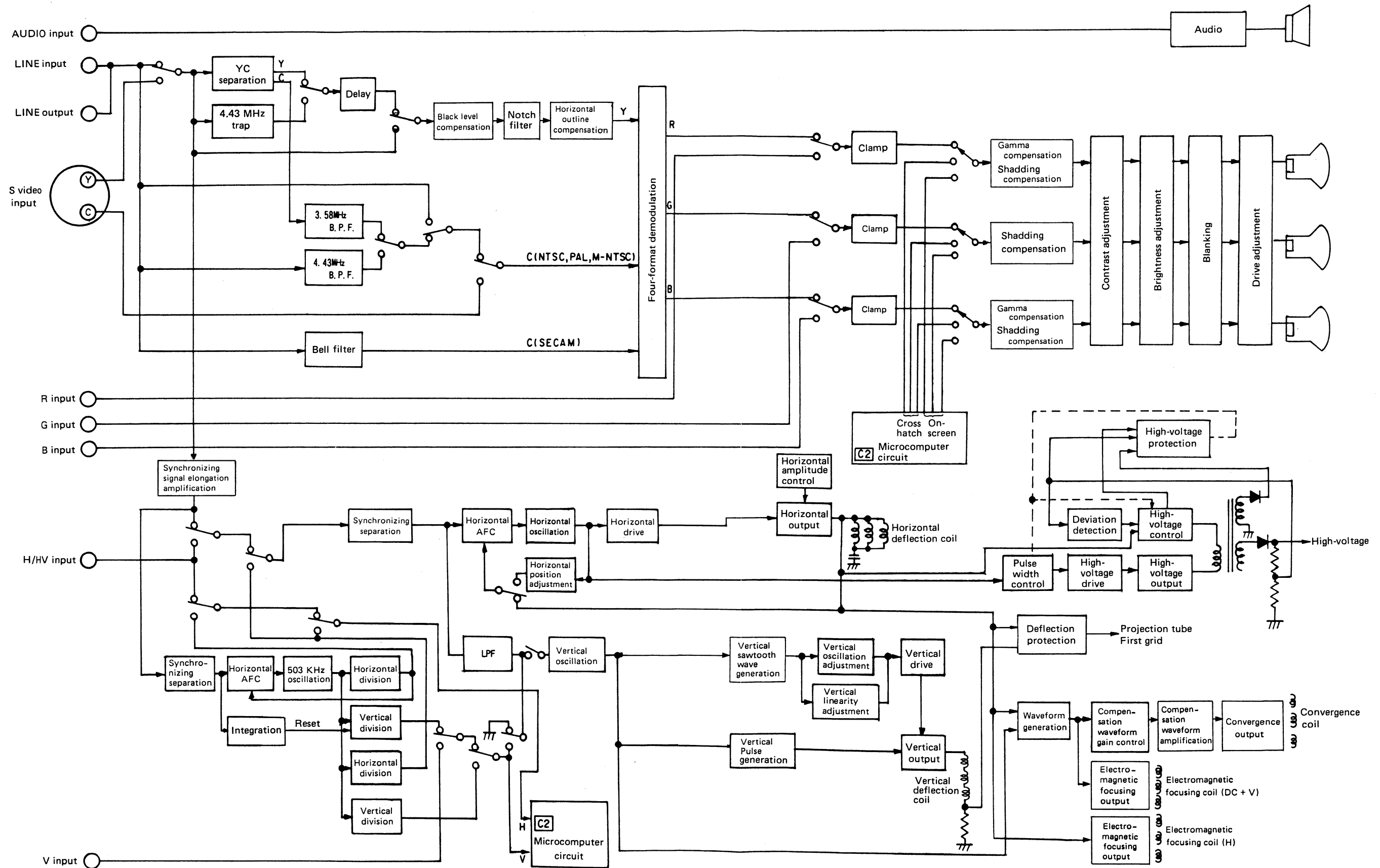


Fig. 1 Signal processing block diagram

2. Control Signal Block Diagram

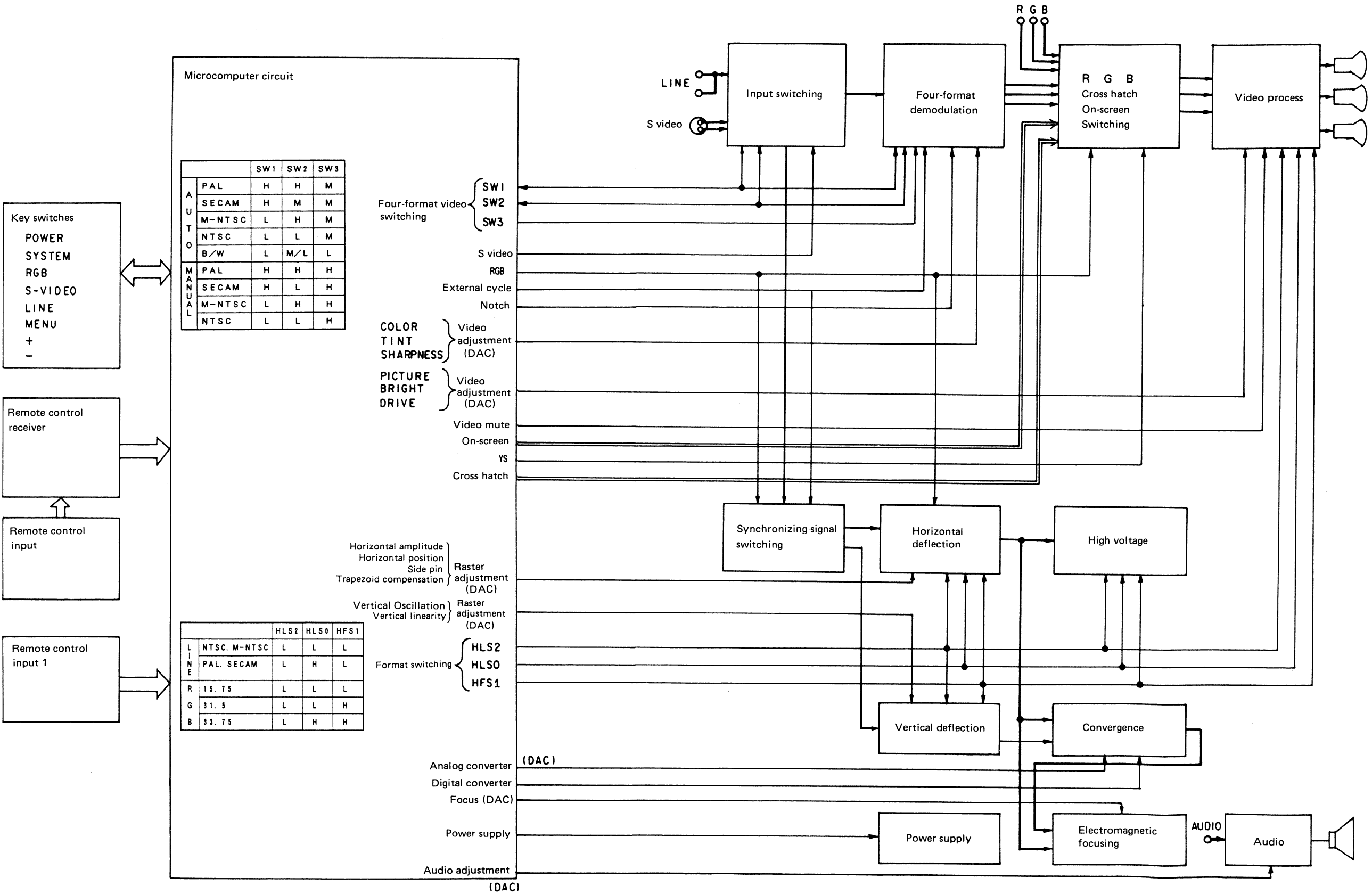


Fig. 2 Control signal block diagram

3. Power Supply Block Diagram

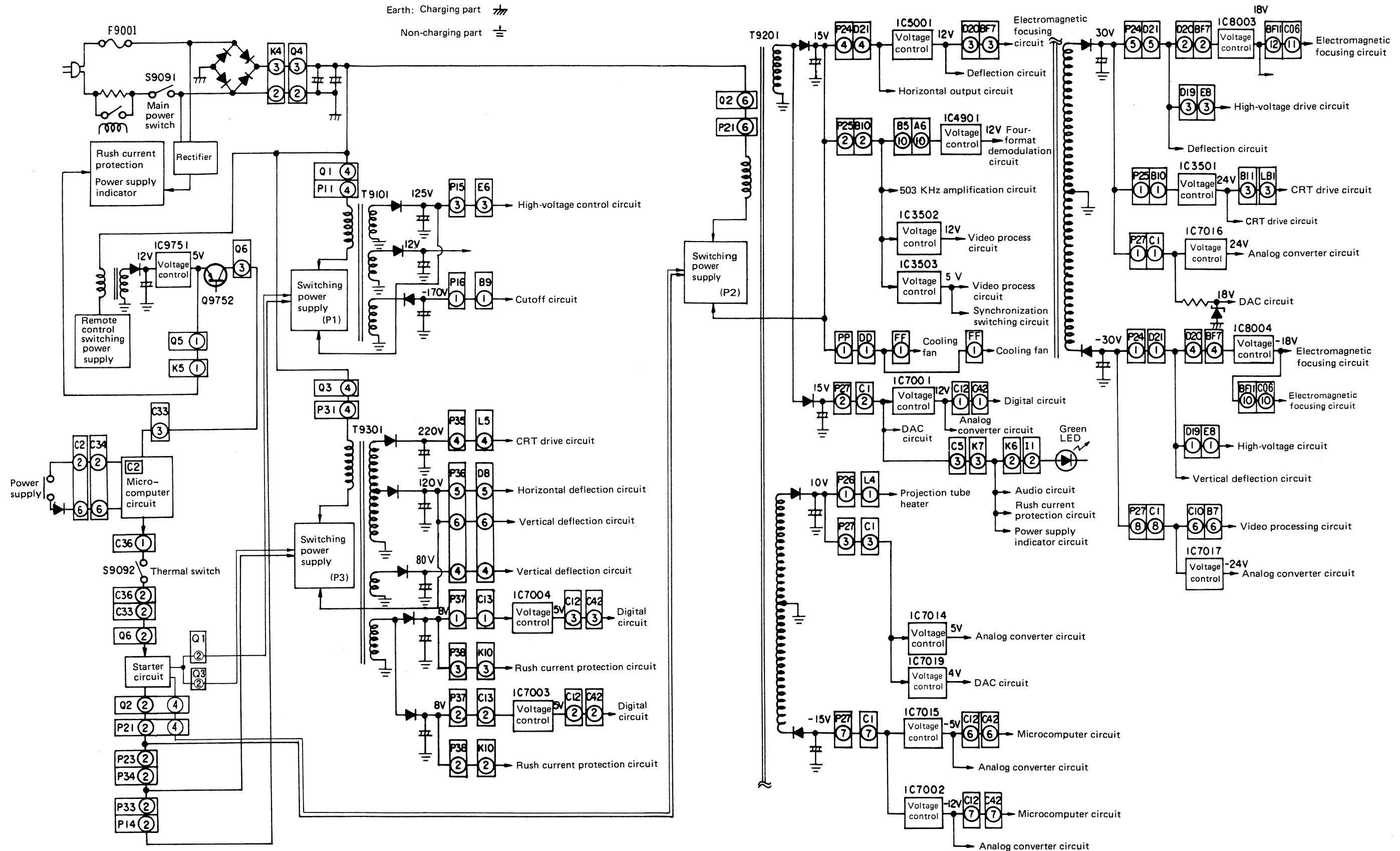
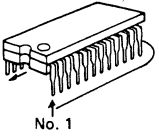
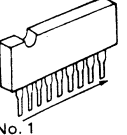
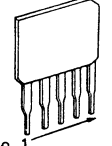

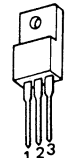
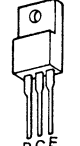
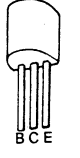
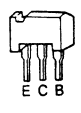
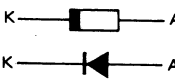
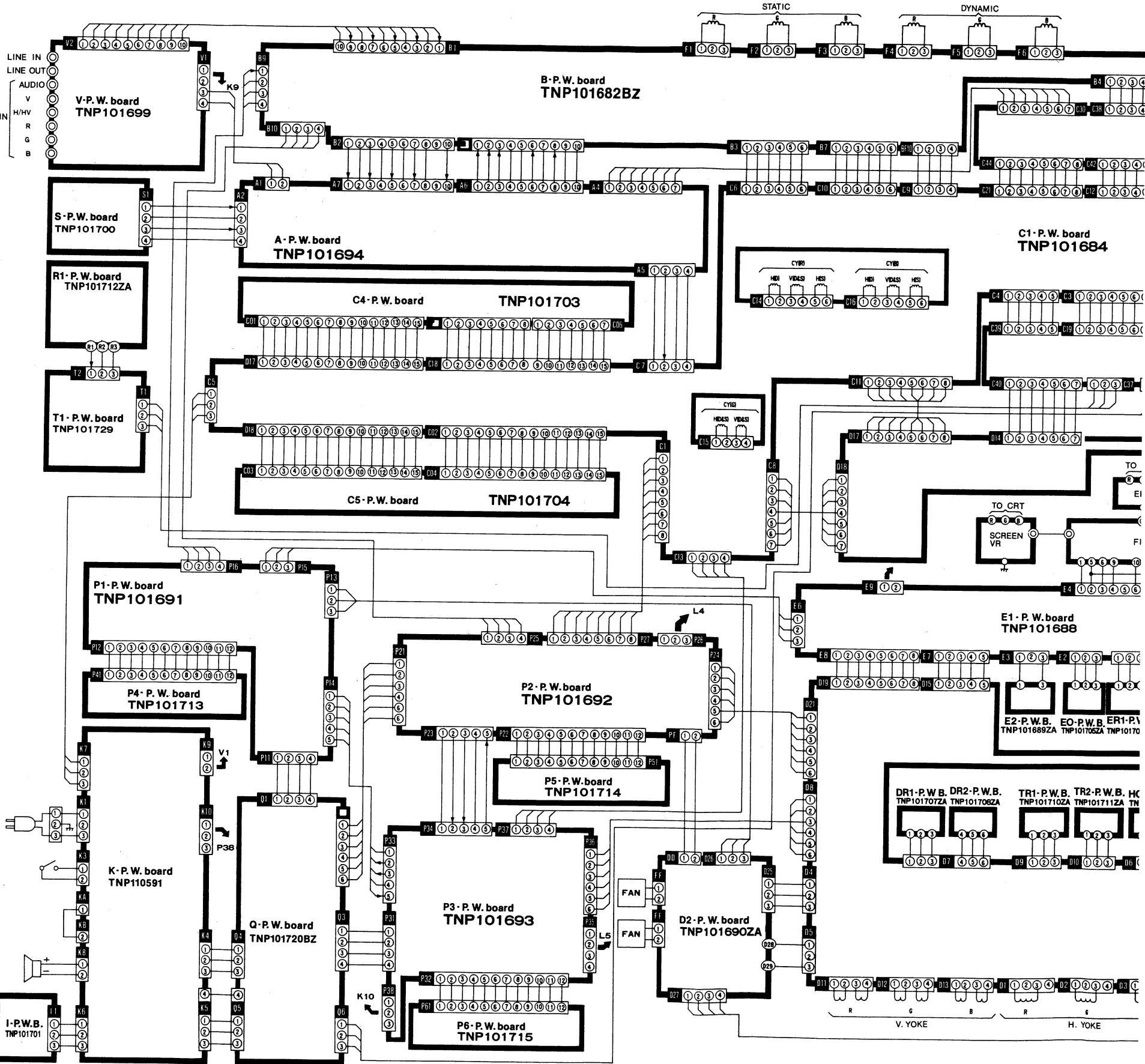


Fig. 3 Power supply block diagram.

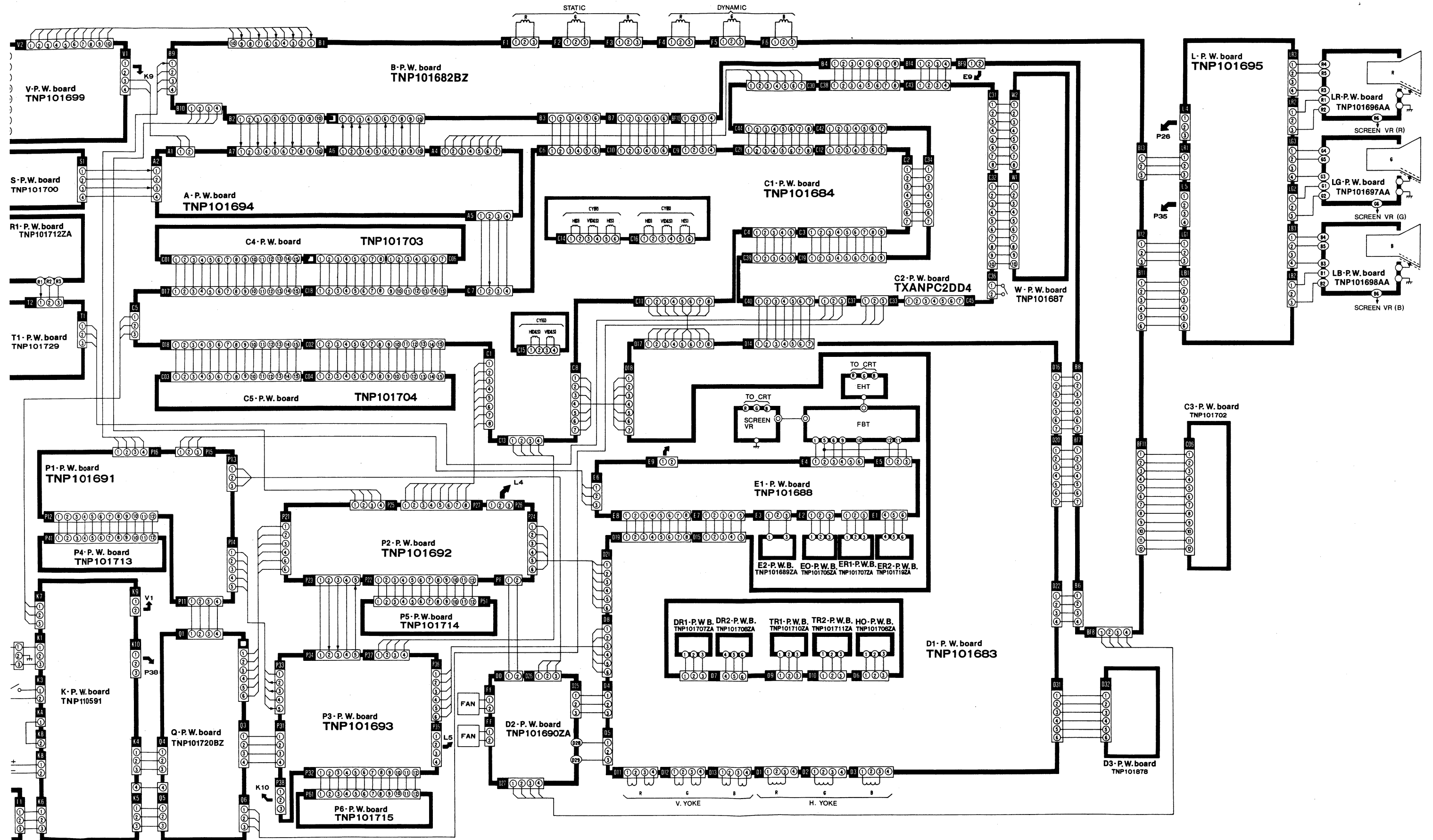
Terminal Guide of IC's and Transistors

 No. 1			AN6914 μPC4558			8 Pin			TC4052BP TC4049BP TC4053BP TC4040BP TC4528BP TA8728P TL8803P LS138			16 Pin			DAC8800 20 Pin CXA1268P..... 28 Pin M51387P 30 Pin TA8653N..... 64 Pin		
MN4066B AN610P AN6554 TC4023BP TC4082BP TC4024BP TC4078BP TC74HC03P PA0030 TL084CN			14 Pin			AN5436N AN5905			18 Pin								
 No. 1			CX20125..... 8 Pin AN5265 9 Pin LA7222TV 12 Pin AN5790N 12 Pin M51132L..... 14 Pin			 No. 1			STK4112MK2 .. 18 Pin			 B C E			2SD601A 2SB709A		
 1 2 3			AN78M24 AN78M12 AN78N05 AN7812 AN79M12 AN7805 AN7905			AN7824 AN7924 AN78L04 AN7818 AN7918 AN78L06			 B C E			2SD1264 2SA958 2SC2168 2SD1273 2SD1539LB 2SB1071LB					
 B C E			2SC1685 2SA564A 2SA879 2SC1318 2SC1573 2SC2295 2SD965 2SA1022			 E C B			2SB643 2SD637 2SC2188			Diode 					

Interconnections



connections



Schematic Diagram

Important safety notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

NOTE:

1. RESISTOR

All resistors are carbon 1/8W resistor, unless otherwise noted the following marks.
Unit of resistance is OHM (Ω), (K = 1,000, M = 1,000,000).

- | | |
|---|------------------------------------|
| Δ : Solid | \otimes : Fuse |
| \square : Wire Wound | \bullet : Metal Oxide |
| \textcircled{F} : Non-Flammable | \textcircled{L} : Lead Less Type |
| $\textcircled{\text{C}}$: Fixed Metal Film | |

2. CAPACITOR

All capacitors are ceramic 50V capacitor, unless otherwise noted the following marks.
Unit of capacitance is μF , unless otherwise noted.

- | | |
|--|--|
| H : Electrolytic | $\textcircled{\text{T}}$: Titanium Oxide |
| NP : Bipolar | \bullet : Temperature Compensation |
| \textcircled{Z} : Z Type | $\textcircled{\text{M}}$: Polyester |
| $\textcircled{\text{T}}$: Dipped Tantalum | $\textcircled{\text{P}}$: Polypropylene |
| $\textcircled{\text{TF}}$: TF Type | $\textcircled{\text{M}}$: Metalized Polyester |

3. COIL

Unit of inductance is μH .

4. TEST POINT

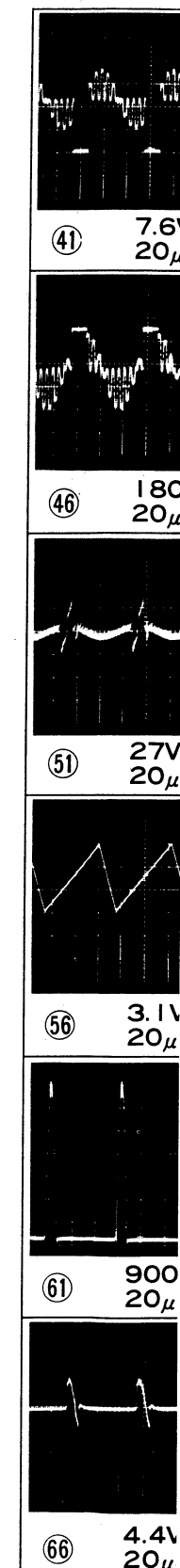
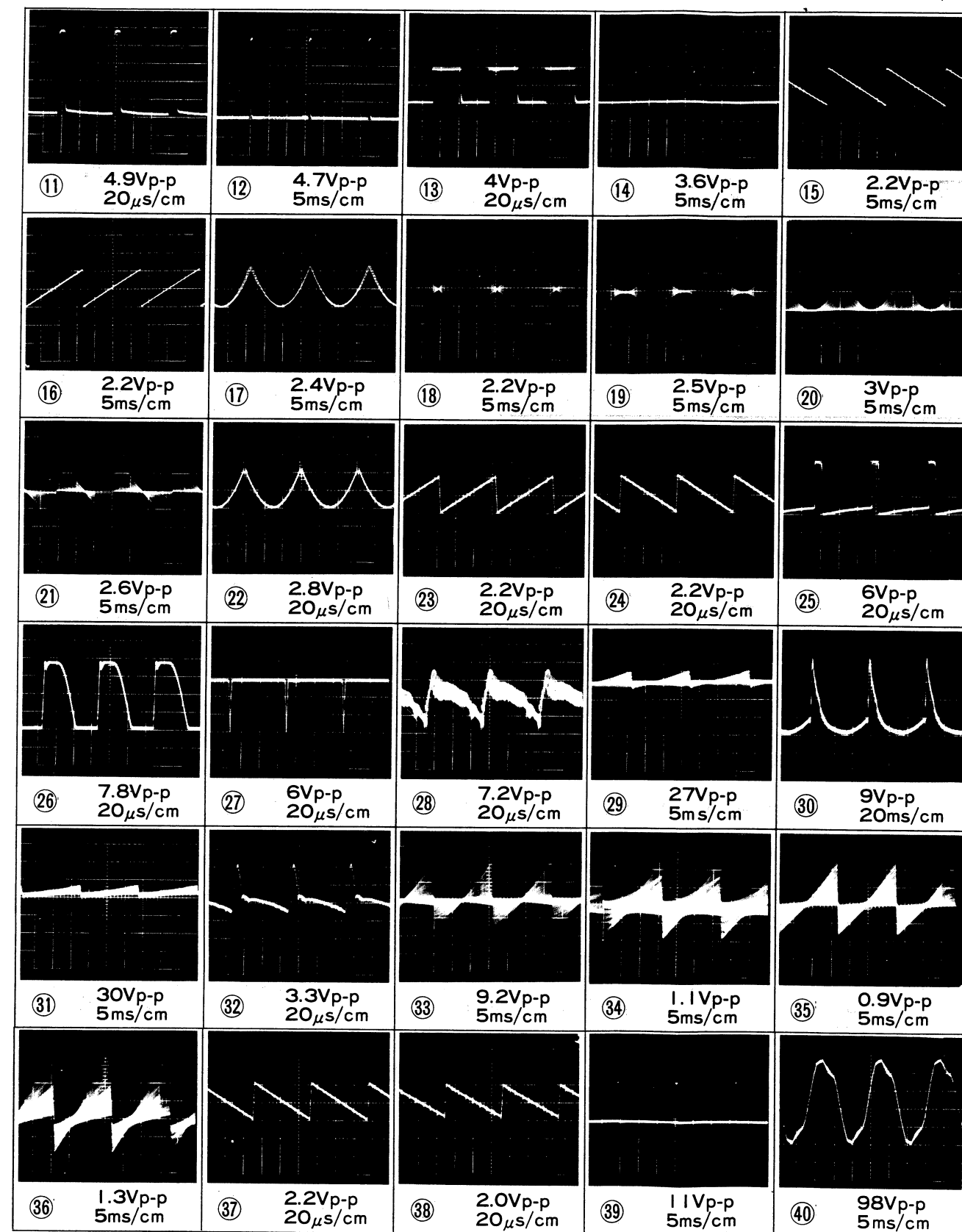
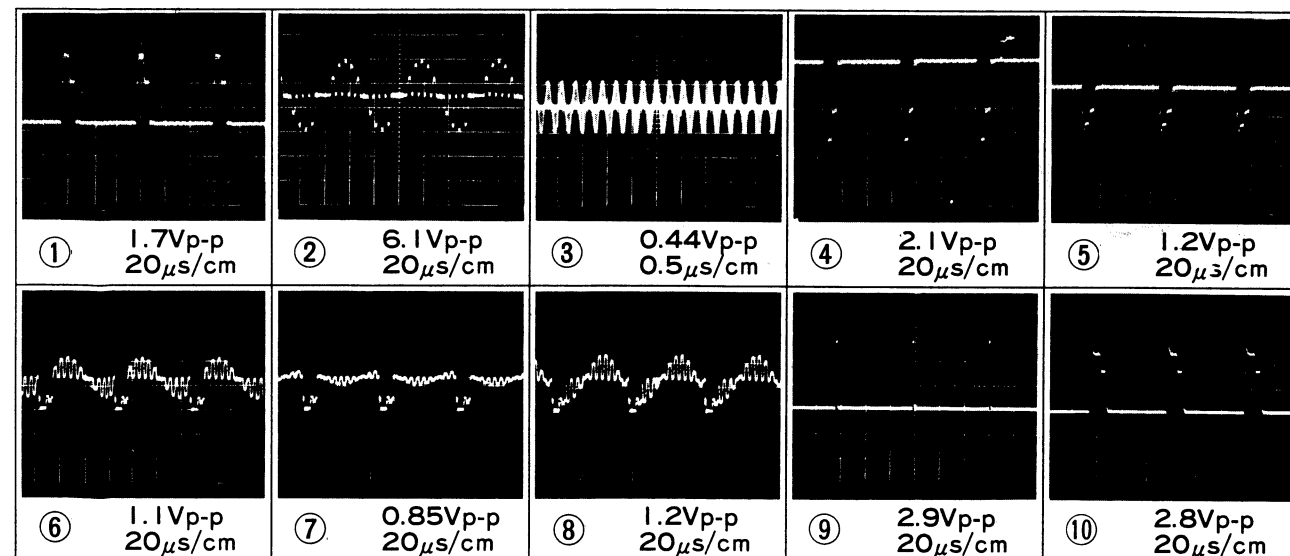
- \bullet : Test point position

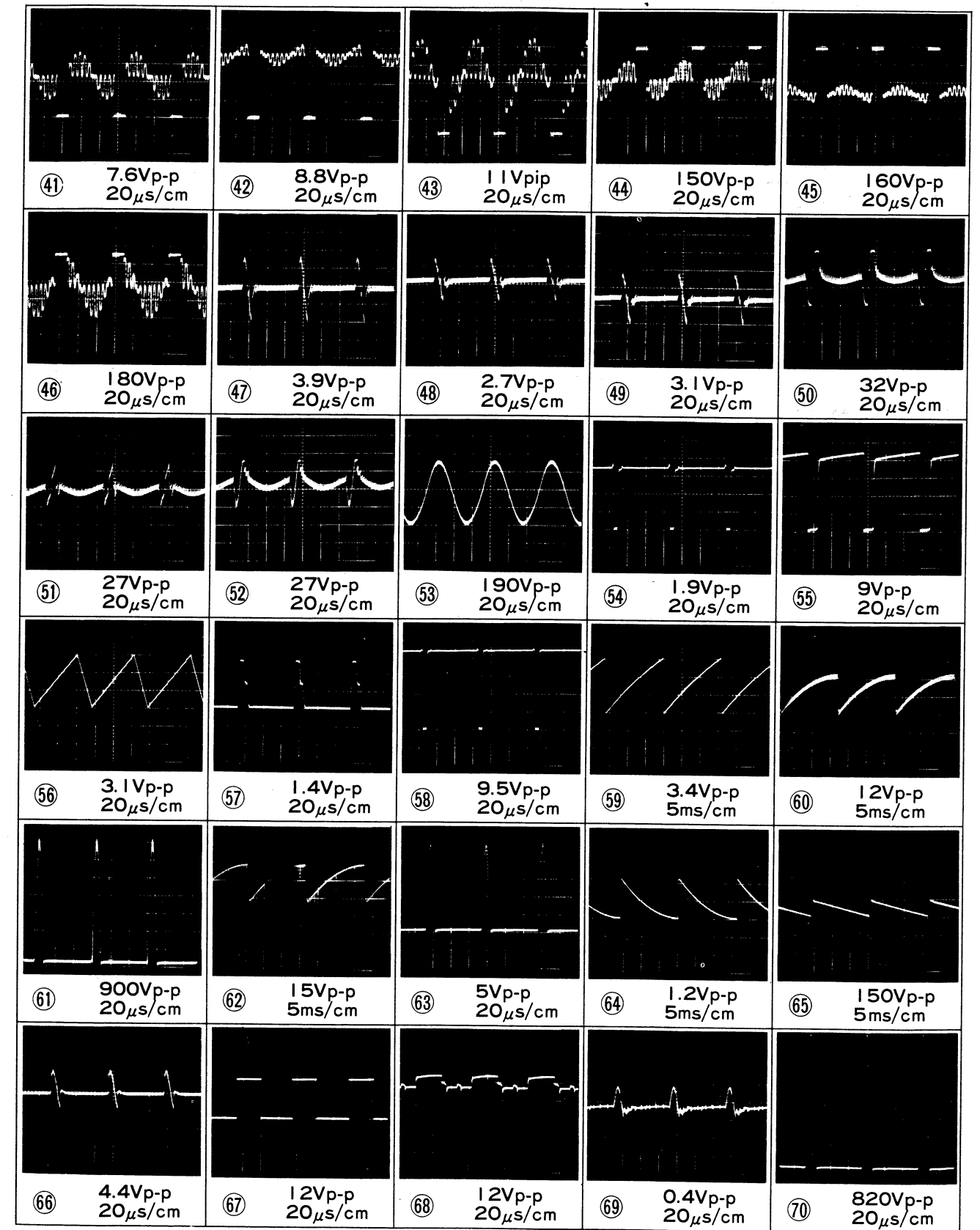
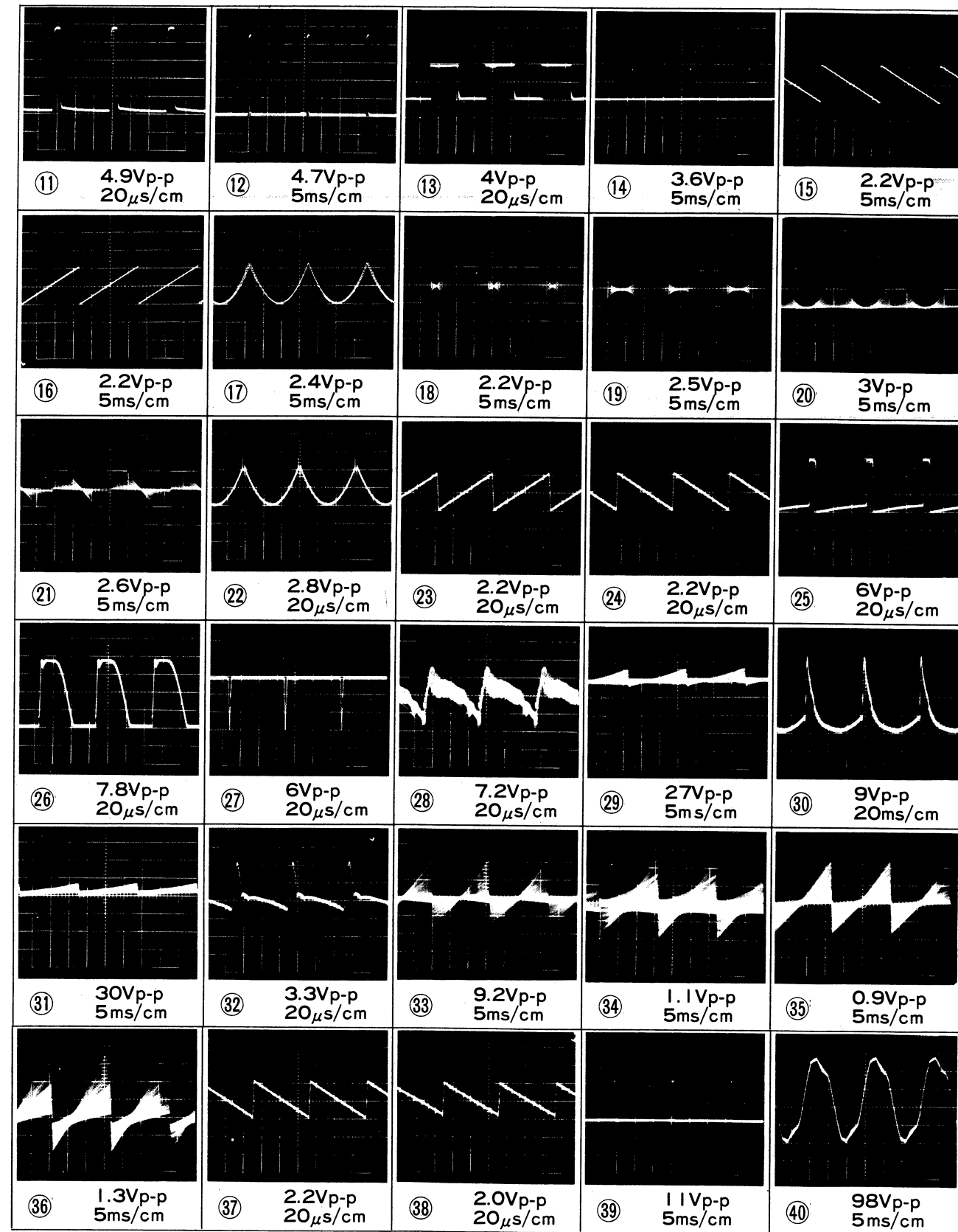
5. VOLTAGE MEASUREMENT

Voltage is measured by a VTVM receiving colour bar signal, when all customer's controls are set to the maximum position.

6. When arrow mark (\nearrow) is found, connection is easily found along with the direction of an arrow.
7. When schematic diagram of a board is described in more than two places, they are encircled with dotted line.....
8. \Rightarrow Video Signal
 \Rightarrow R, G, B Signal
 $\square\square\square\square$ H/V, H, V Pulse
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Waveform Table Number means one in the schematic diagram.





Vp-p
s/cm

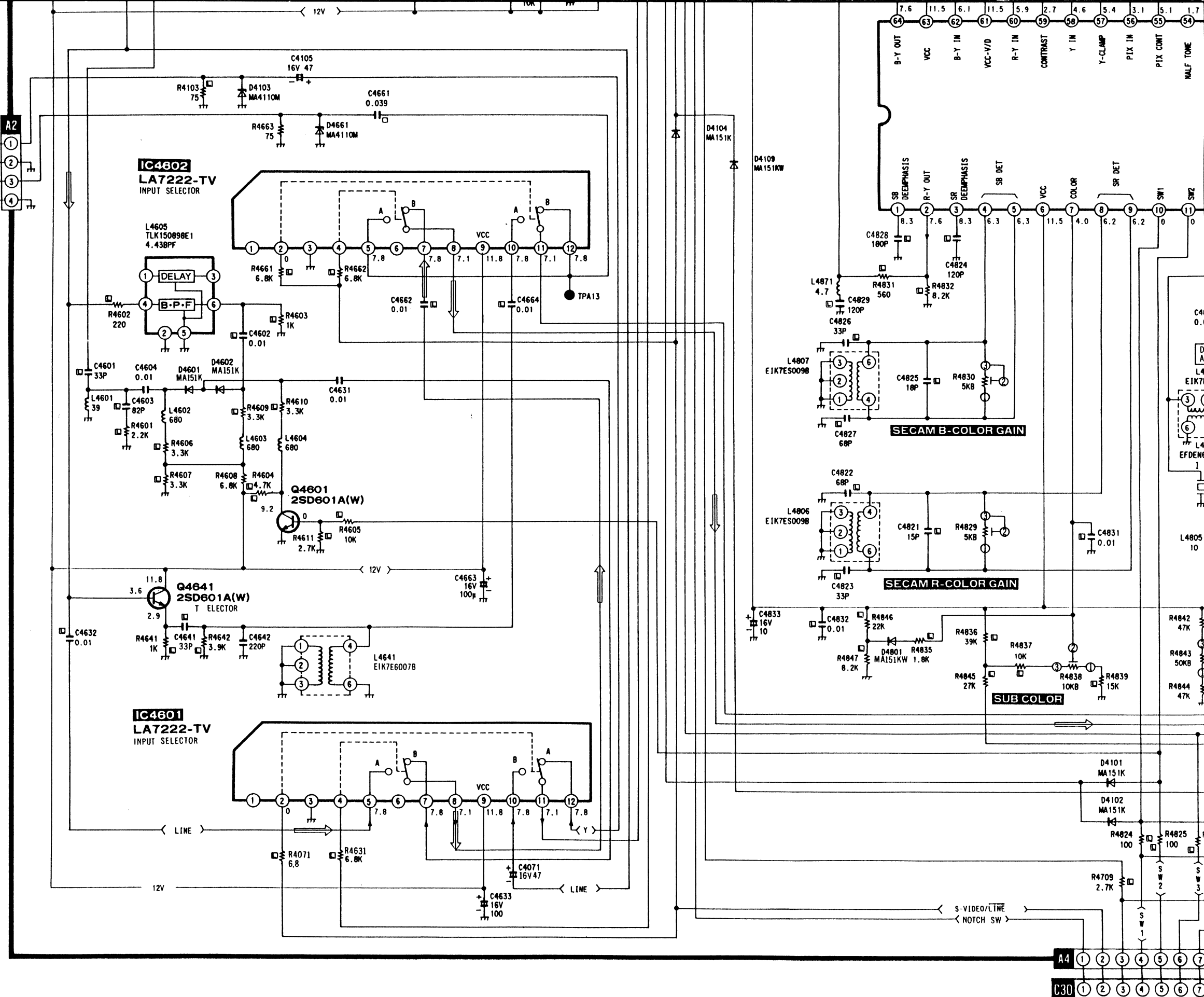
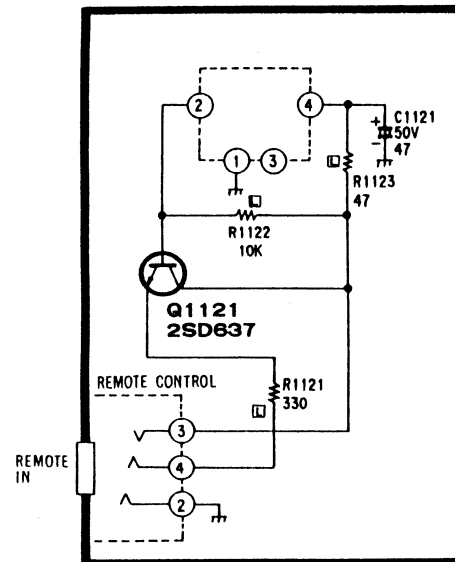
Vp-p
s/cm

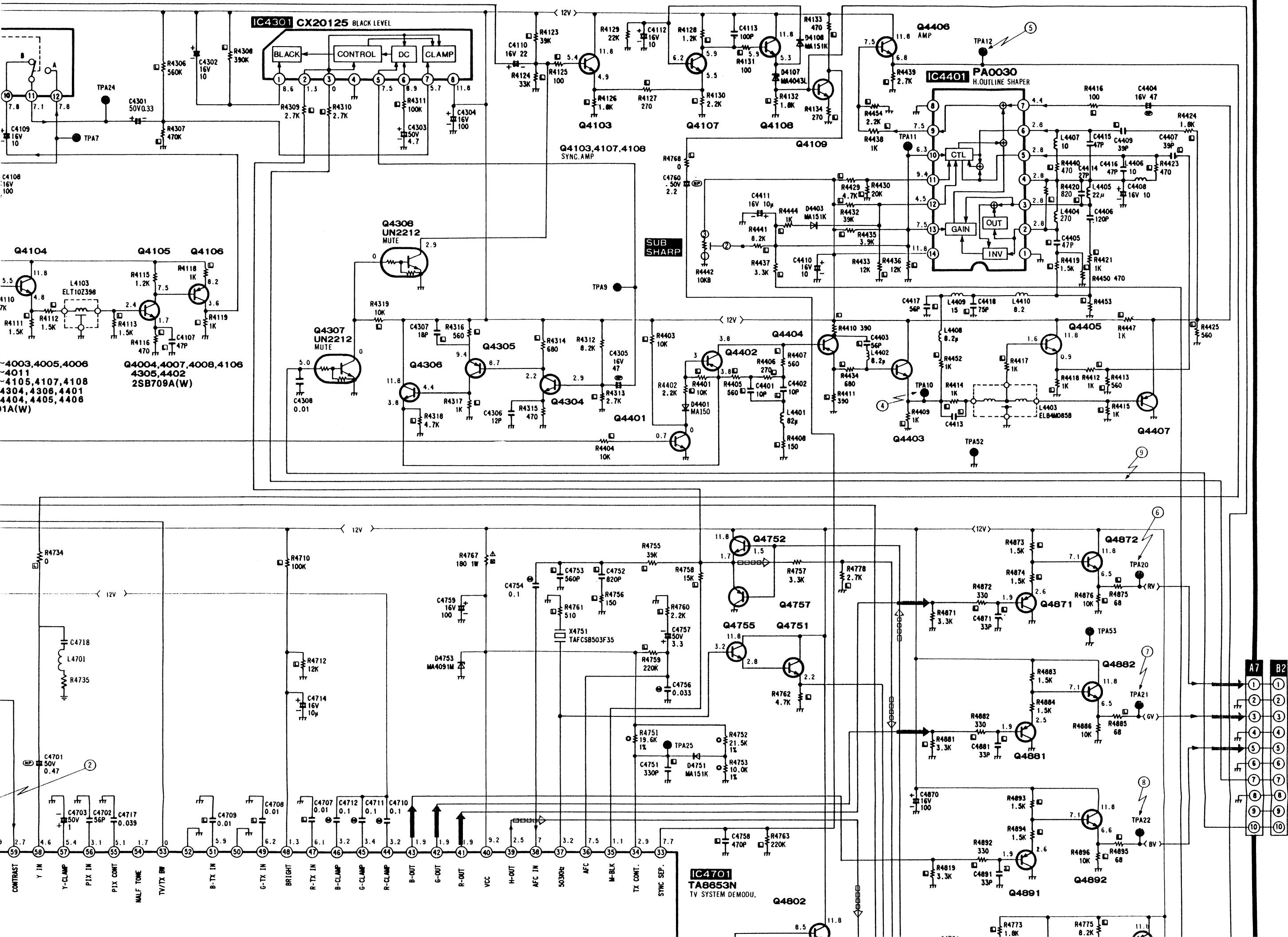
The diagram illustrates a video amplifier circuit with the following components and sections:

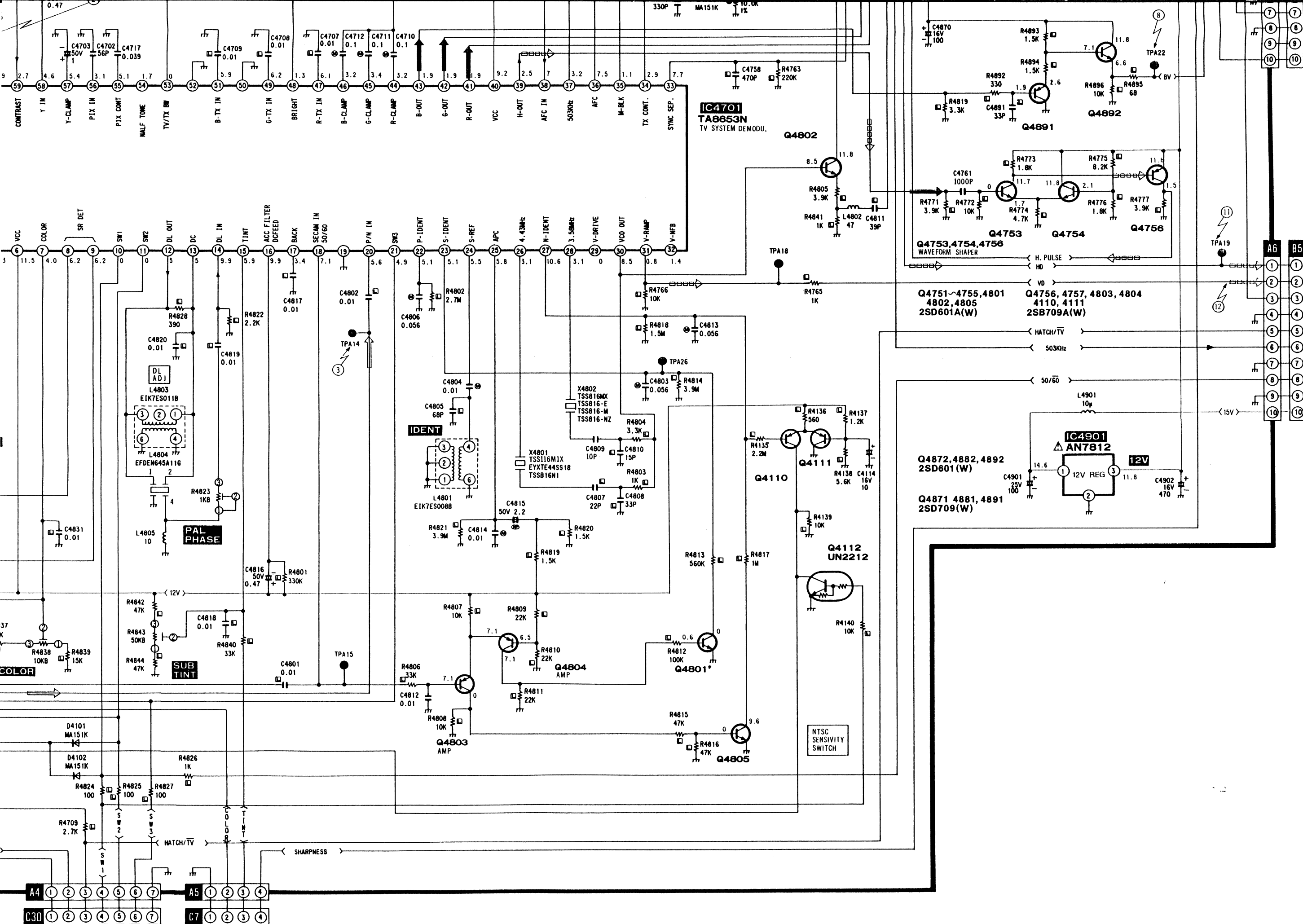
- IC4002 TL8803P CCD DELAY:** This section includes a 'LIMIT' block, a 'PHASE' block, a 'V.C.O.' (Variable Frequency Oscillator) block, a 'WAVE' block, and a 'CCD' block. It features a series of pins numbered 1 through 16, with various capacitors (C4001-C4009) and resistors (R4001-R4016) connected to them.
- IC4001 MC13528P V. SHAPER COMB:** This section includes a 'Y LEVEL' block, a 'V. APA CENTER' block, and a 'V1H LEVEL' block. It features a series of pins numbered 1 through 16, with various capacitors (C4010-C4029) and resistors (R4017-R4074) connected to them.
- Transistors:** The circuit includes several transistors, including Q4001, Q4002, Q4003, Q4004, Q4005, Q4006, Q4007, Q4008, Q4009, Q4010, and Q4011.
- Resistors:** The circuit includes a large number of resistors, including R4001, R4002, R4003, R4004, R4005, R4006, R4007, R4008, R4009, R4010, R4011, R4012, R4013, R4014, R4015, R4016, R4017, R4018, R4019, R4020, R4021, R4022, R4023, R4024, R4025, R4026, R4027, R4028, R4029, R4030, R4031, R4032, R4033, R4034, R4035, R4036, R4037, R4038, R4039, R4040, R4041, R4042, R4043, R4044, R4045, R4046, R4047, R4048, R4049, R4050, R4051, R4052, R4053, R4054, R4055, R4056, R4057, R4058, R4059, R4060, R4061, R4062, R4063, R4064, R4065, R4066, R4067, R4068, R4069, R4070, R4071, R4072, R4073, and R4074.
- Capacitors:** The circuit includes several capacitors, including C4001, C4002, C4003, C4004, C4005, C4006, C4007, C4008, C4009, C4010, C4011, C4012, C4013, C4014, C4015, C4016, C4017, C4018, C4019, C4020, C4021, C4022, C4023, C4024, C4025, C4026, C4027, C4028, C4029, C4030, C4031, C4032, C4033, C4034, C4035, C4036, C4037, C4038, C4039, C4040, C4041, C4042, C4043, C4044, C4045, C4046, C4047, C4048, C4049, C4050, C4051, C4052, C4053, C4054, C4055, C4056, C4057, C4058, C4059, C4060, C4061, C4062, C4063, C4064, C4065, C4066, C4067, C4068, C4069, C4070, C4071, C4072, C4073, and C4074.
- Inductors:** The circuit includes several inductors, including L4001, L4002, L4003, L4004, L4005, and L4006.
- Power Supply:** The circuit is powered by a 12V supply, with various decoupling capacitors (C4001-C4009) and resistors (R4001-R4074) connected to it.

[illegible]

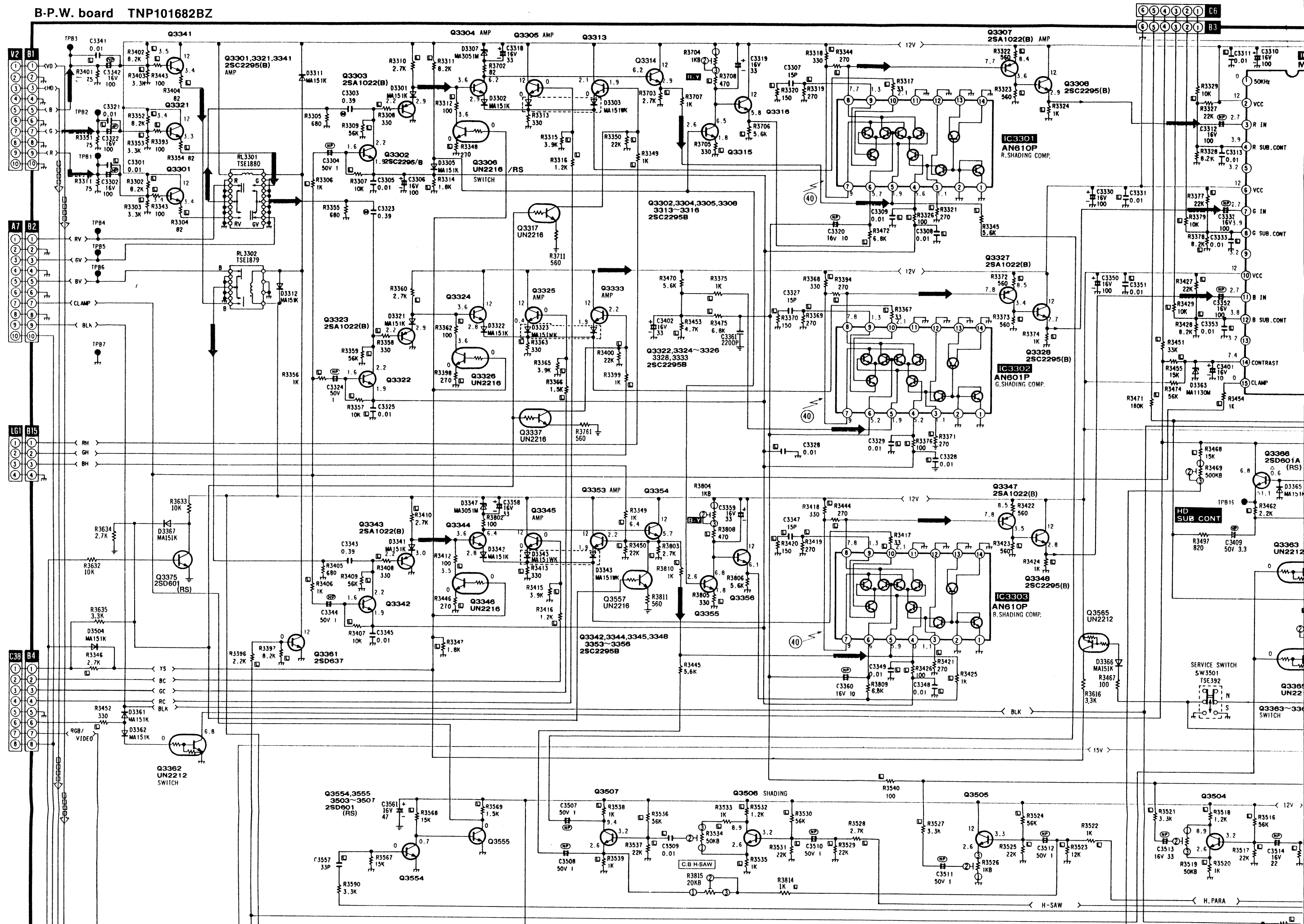
The diagram illustrates the video input section of a color television. It features a multi-pin connector at the bottom with pins labeled 54 through 64. The signals connected to these pins are: 54 HALF TONE, 55 PIX CONT, 56 PIX IN, 57 Y-CLAMP, 58 Y IN, 59 CONTRAST, 60 R-Y IN, 61 VCC-V/D, 62 B-Y IN, 63 VCC, and 64 B-Y OUT. The circuit includes several integrated circuits: TPA16 and TPA17. Various passive components are used, including resistors (R4701 22K, R4702 10KB, R4703 16V 470, R4735, R4833 560, R4834 8.2K, R4881 4.7p, C4701 50V 0.47, C4702 56P, C4703 50V, C4705 0.1, C4706 0.1, C4715 0.01, C4716 16V 470, C4717 0.039, C4830 120P) and capacitors (C4704 50V 2.2, C4834 8.2K). A 50V power supply is connected to the circuit. The diagram also shows a 4104 and A151K component at the bottom left.

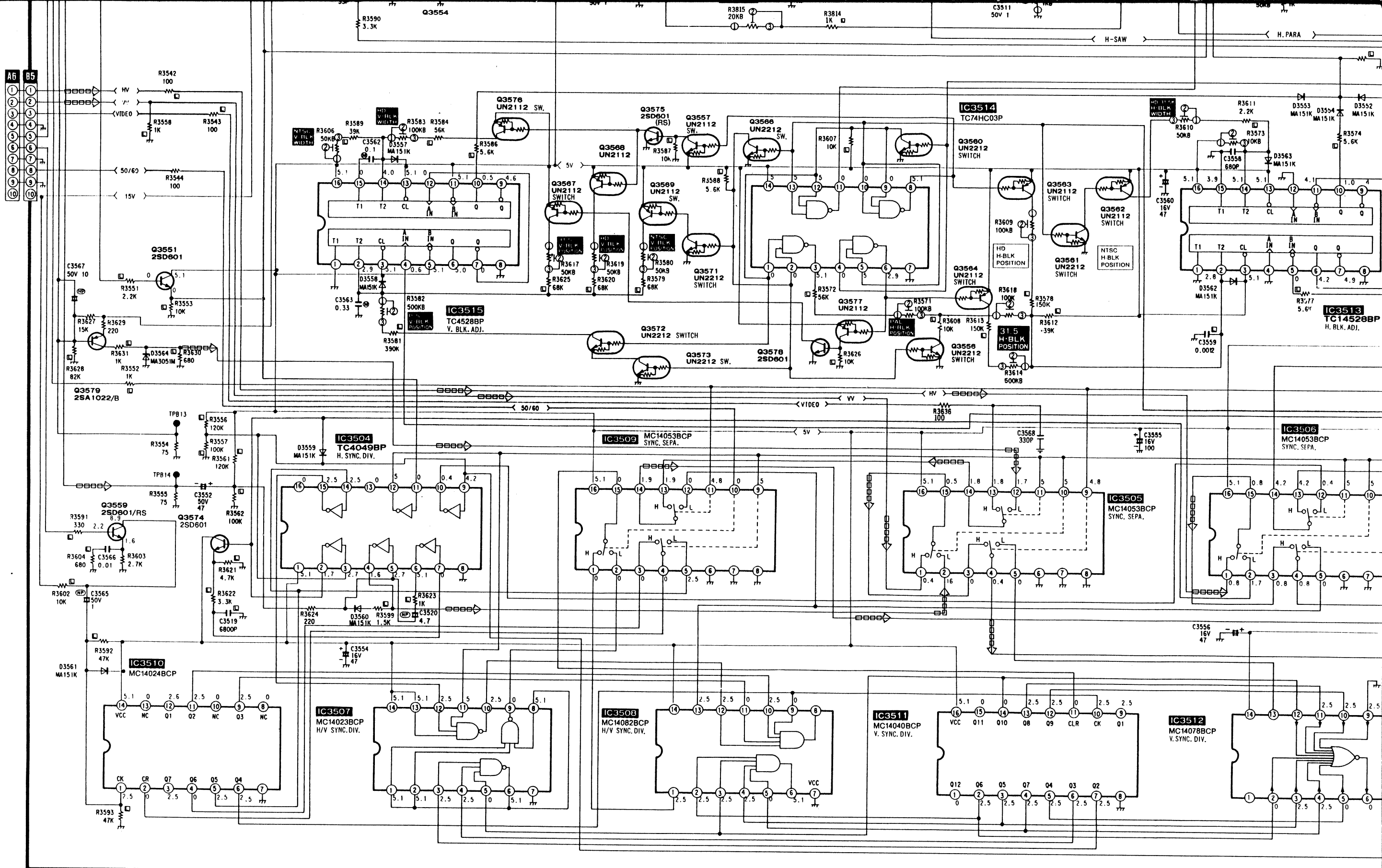


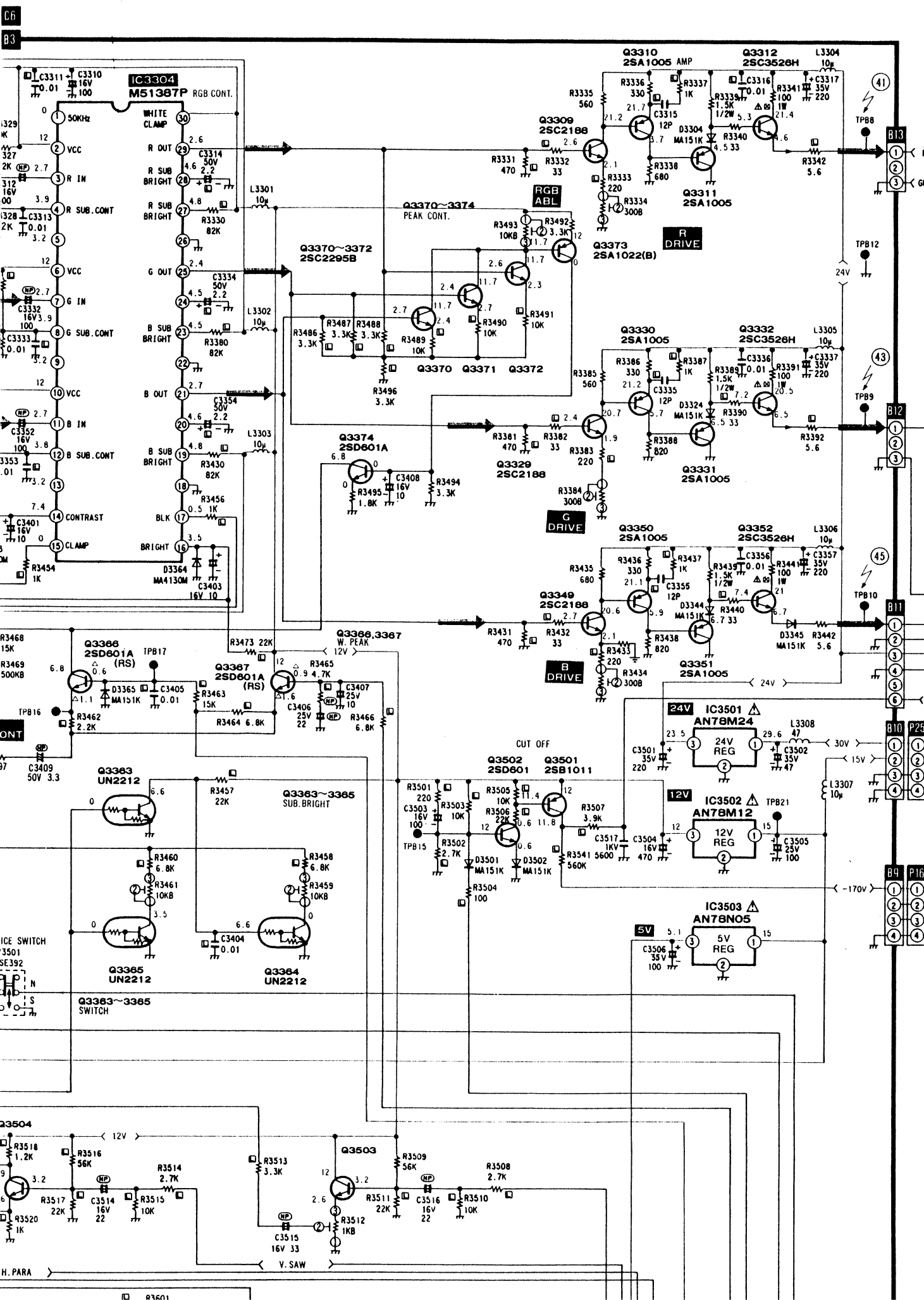




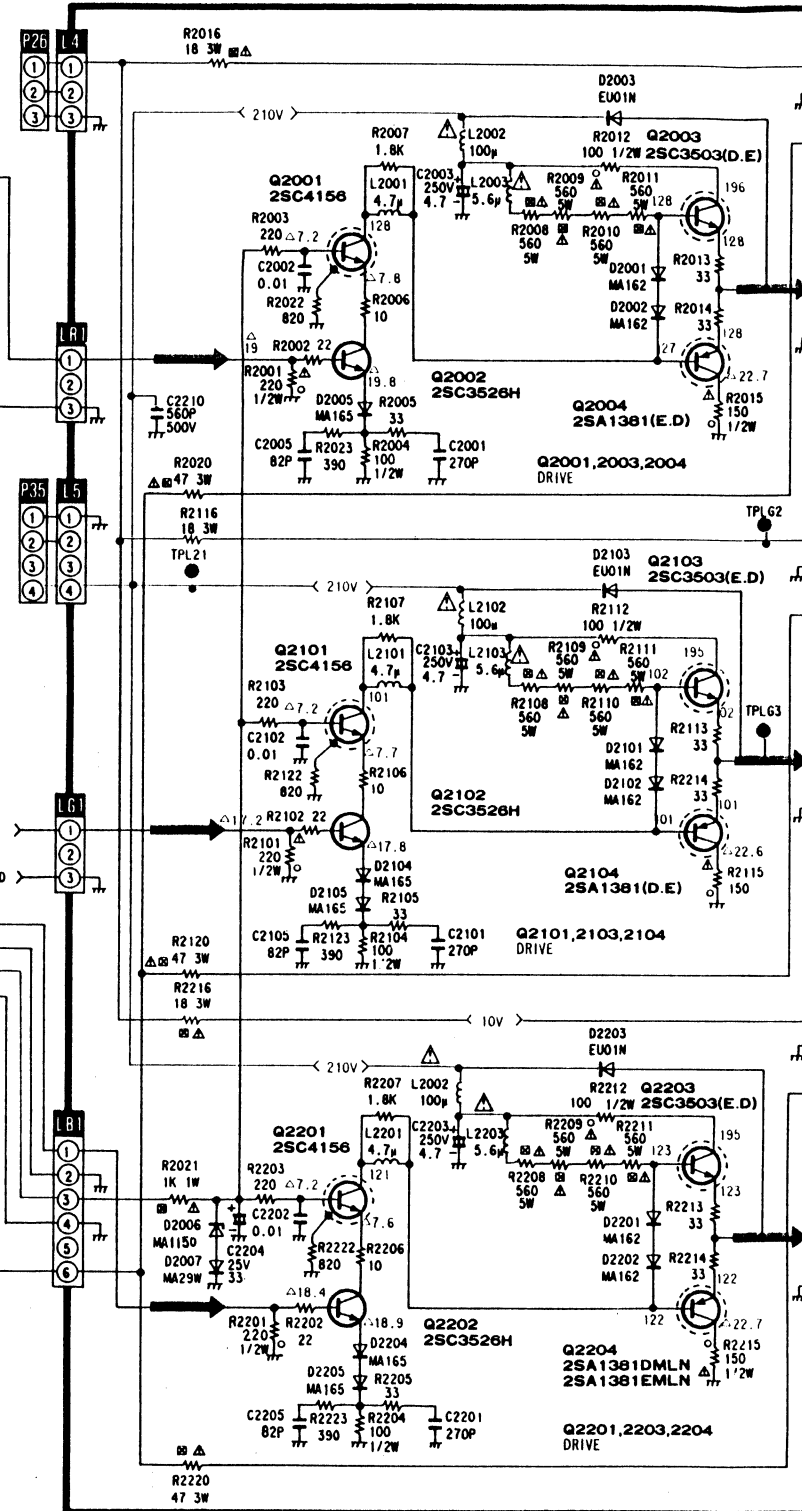
B-P.W. board TNP101682BZ



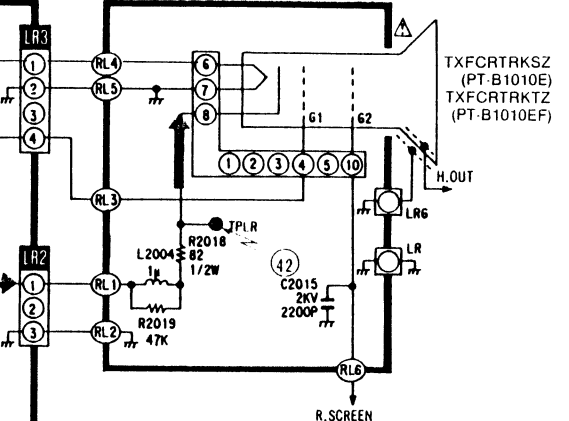




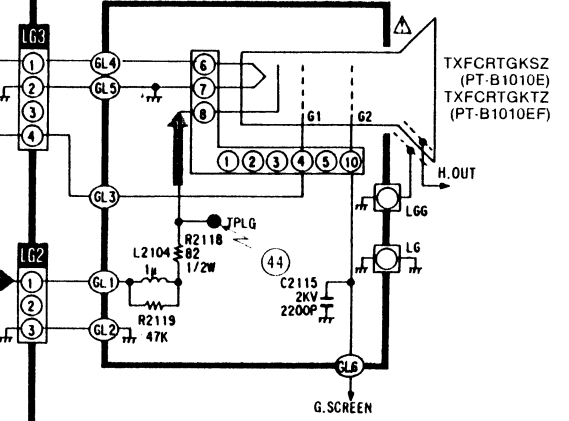
L-P.W. board TNP101695



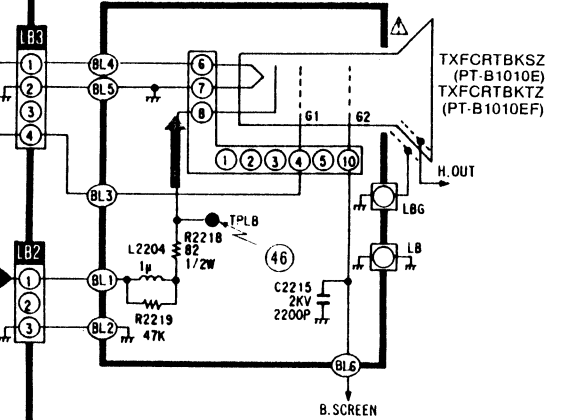
LR-P.W. board TNP101696AA



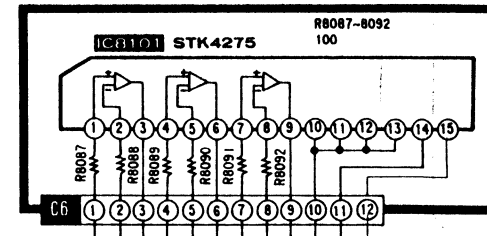
LG-P.W. board TNP101697AA

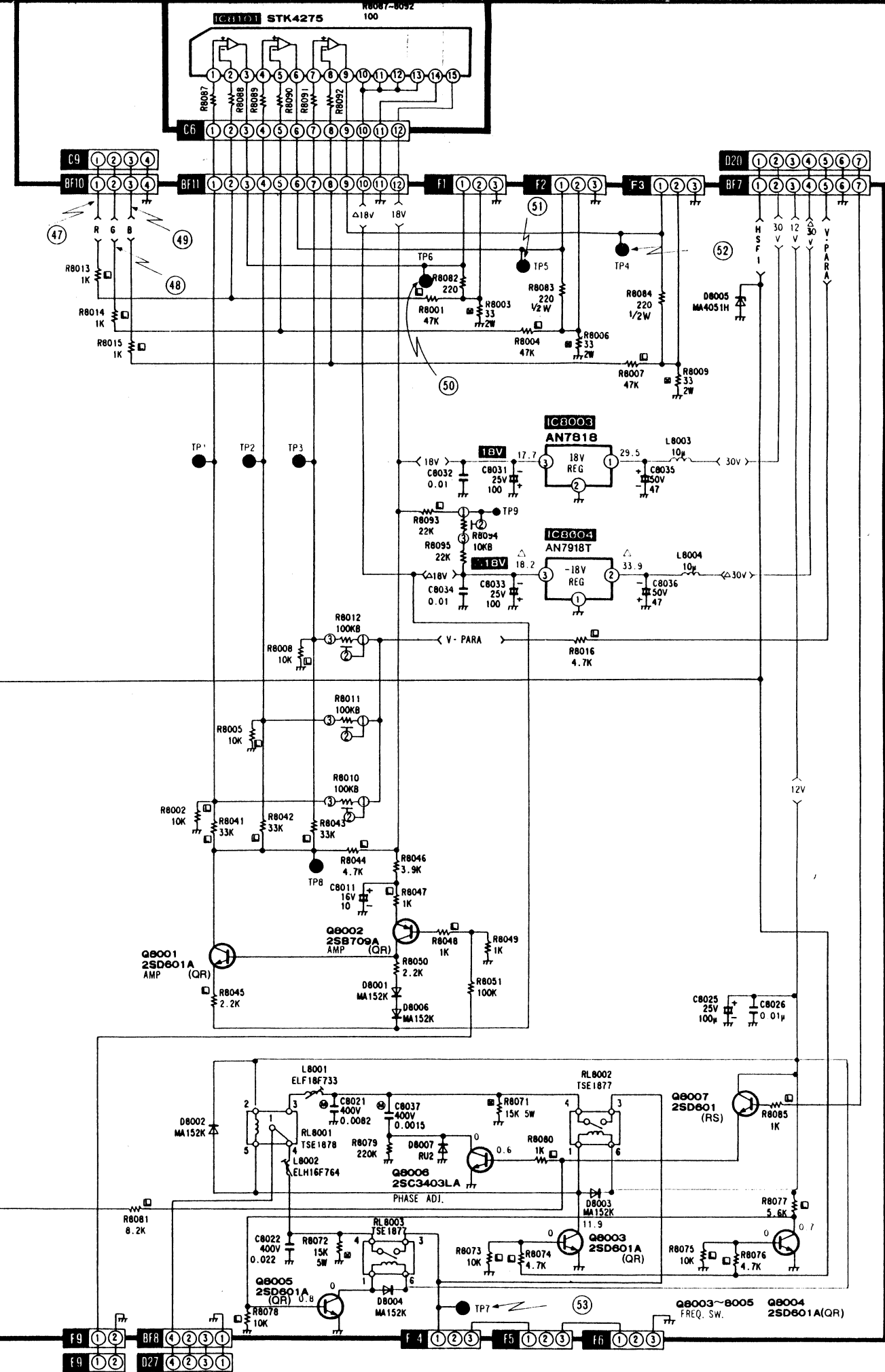
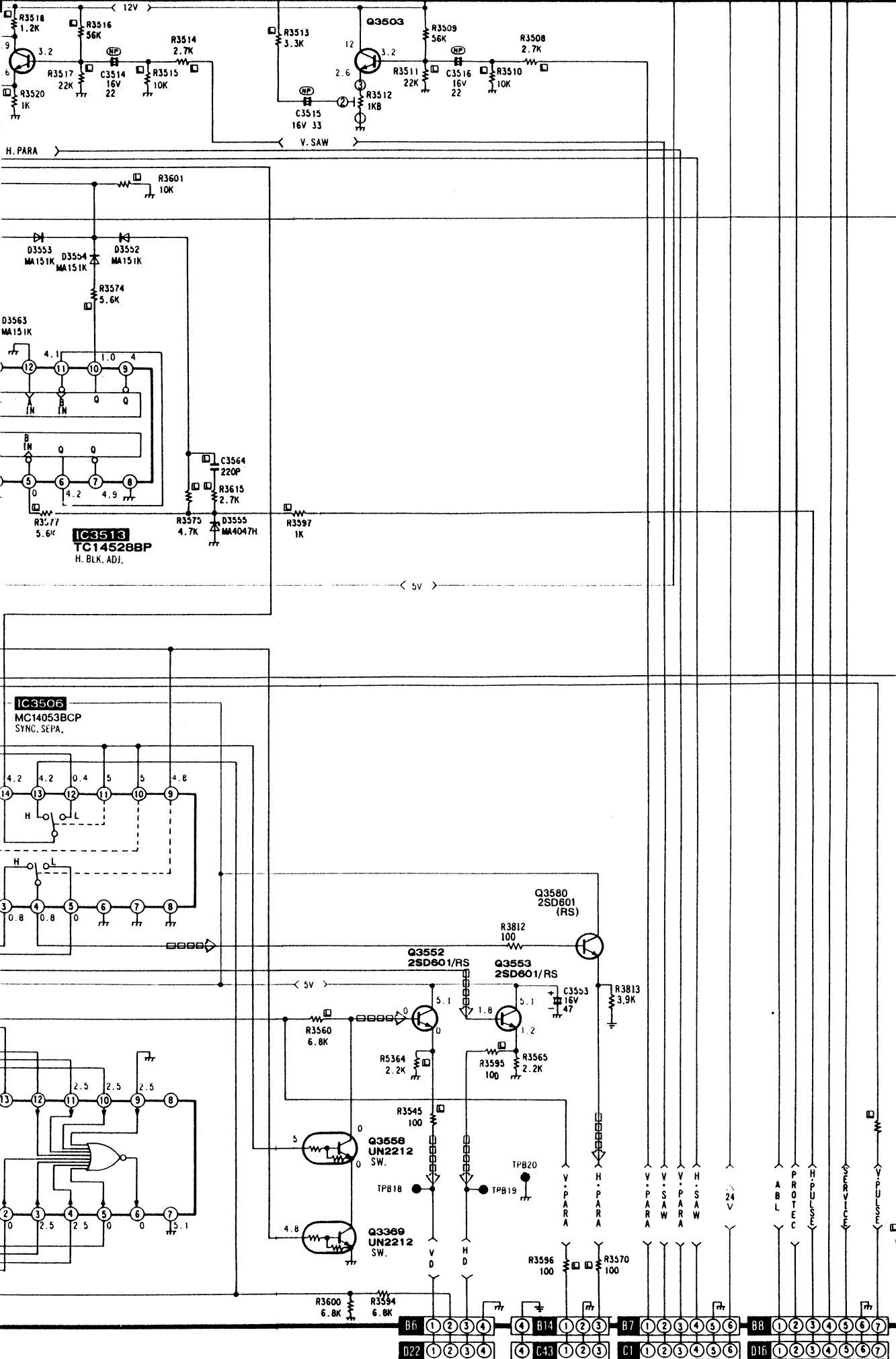


LB-P.W. board TNP101698AA

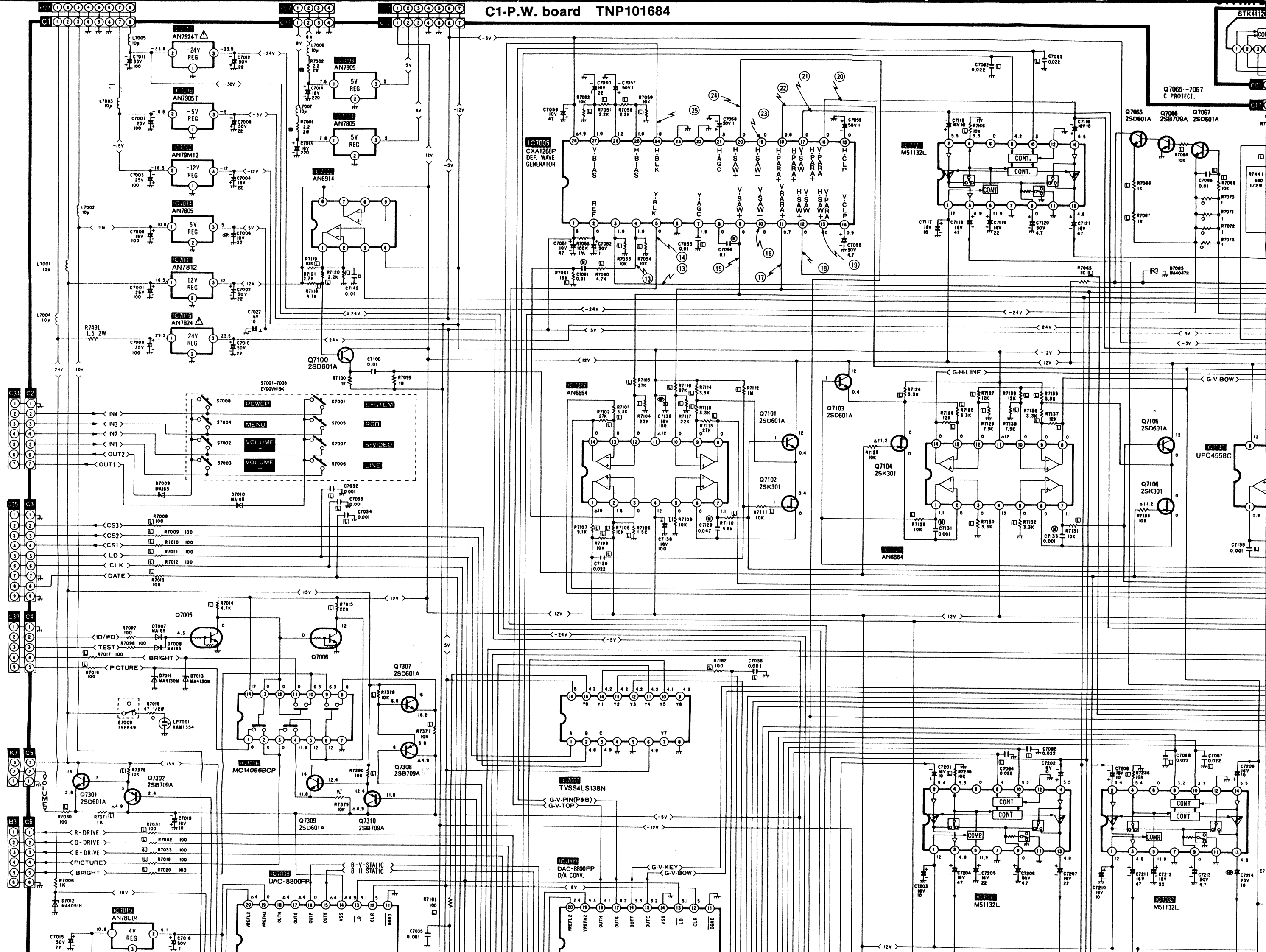


C3-P.W. board TNP101702



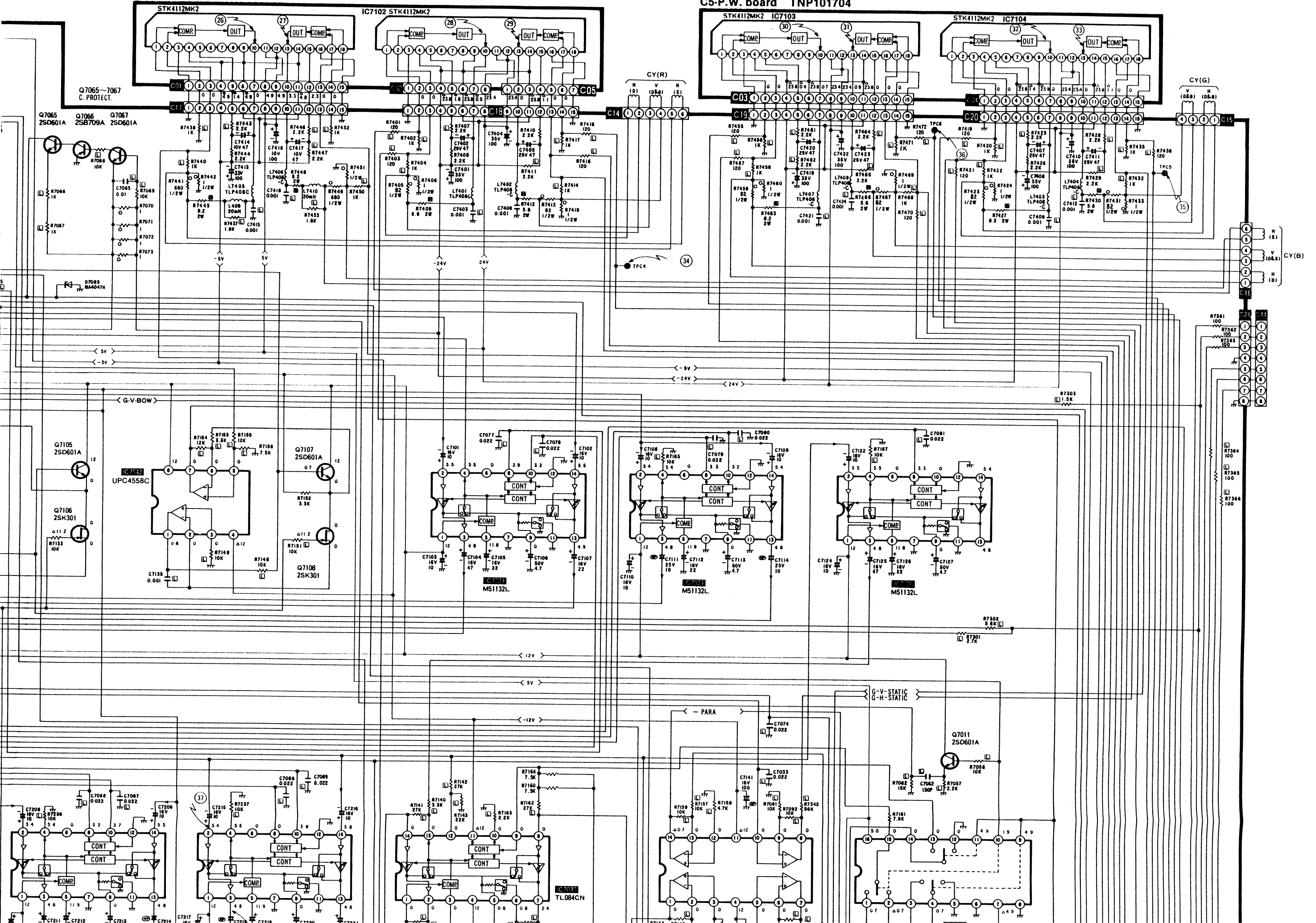


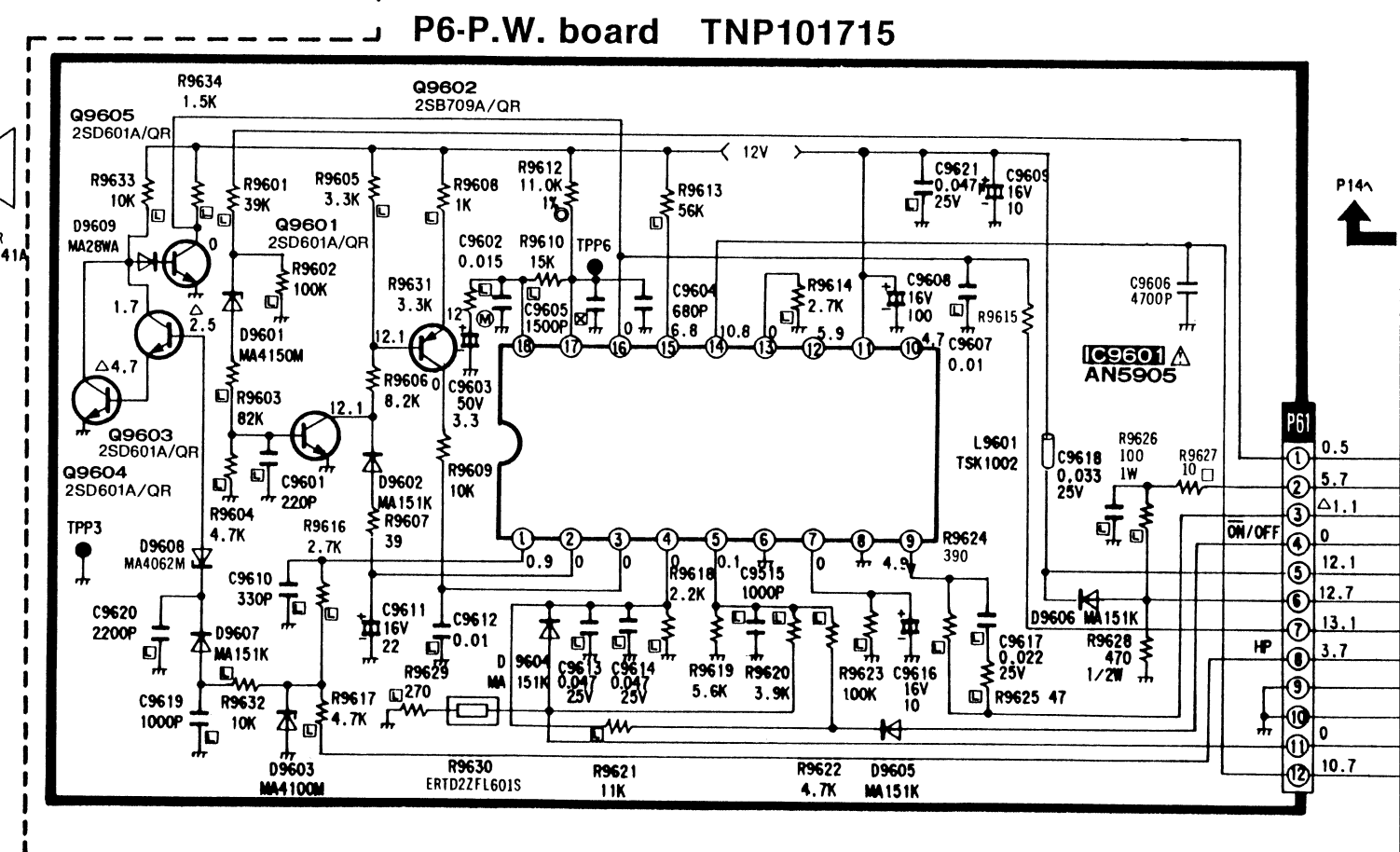
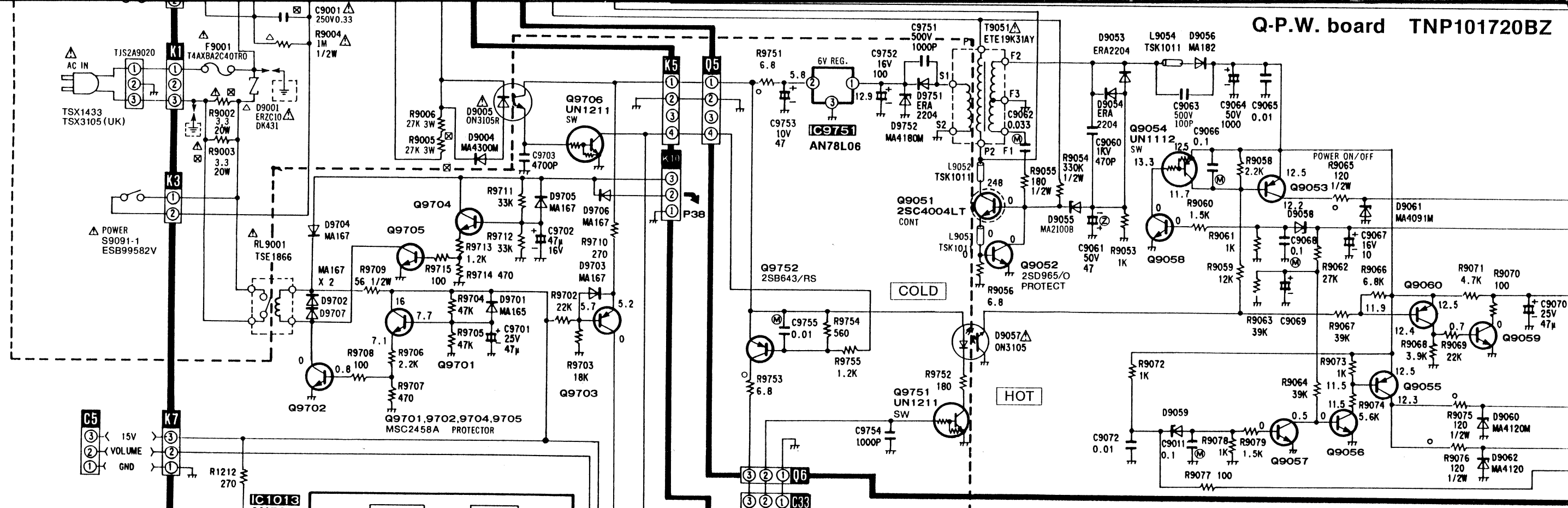
C1-P.W. board TNP101684



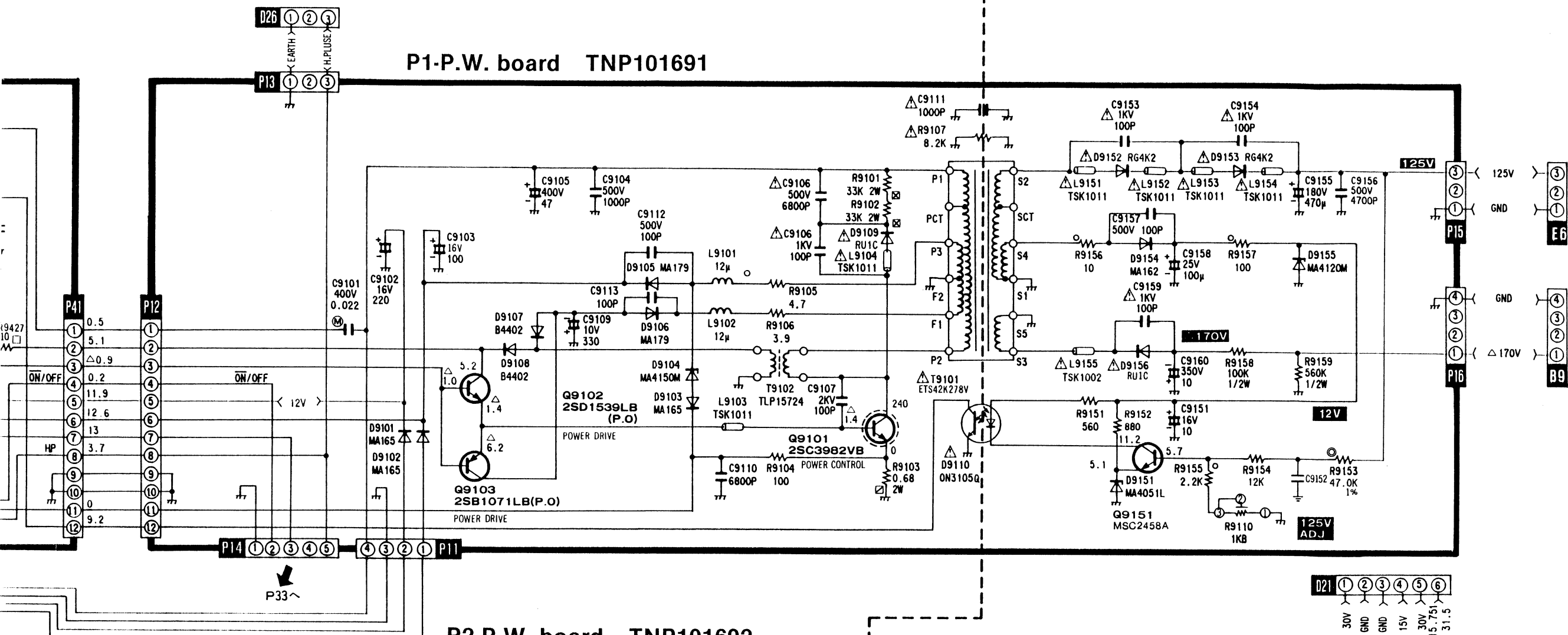
C4-P.W. board TNP101703

C5-P.W. board TNP101704

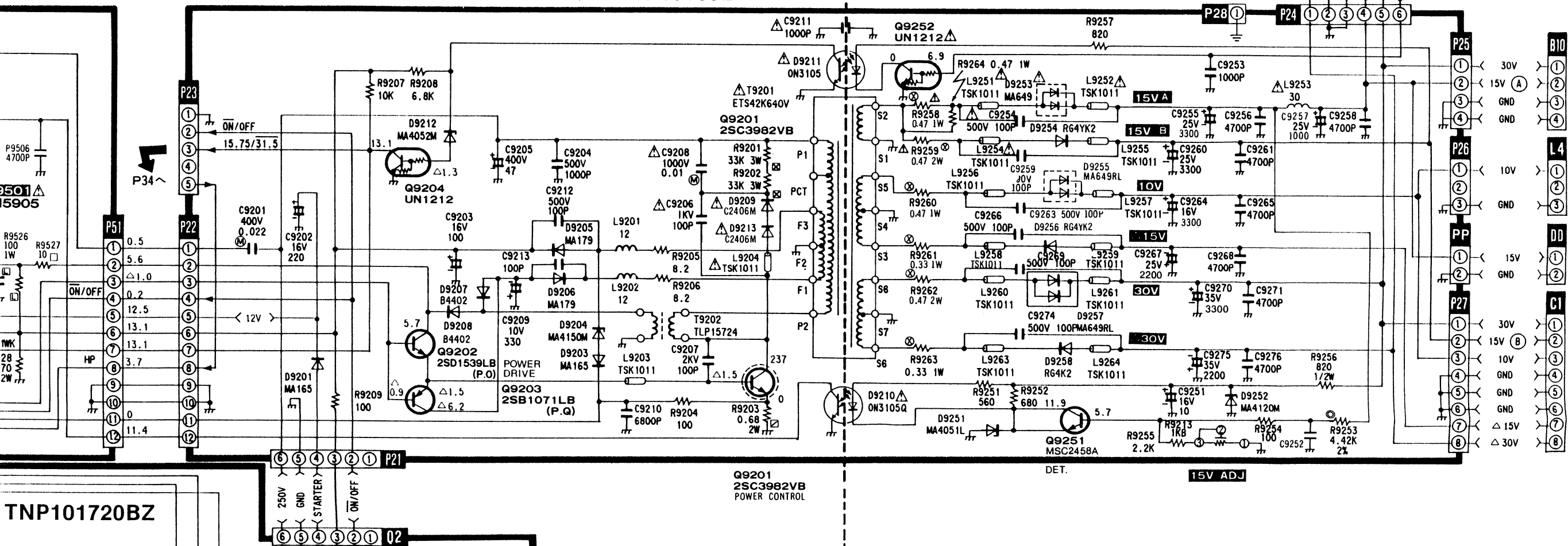




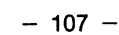
P1-P.W. board TNP101691



P2-P.W. board TNP101692

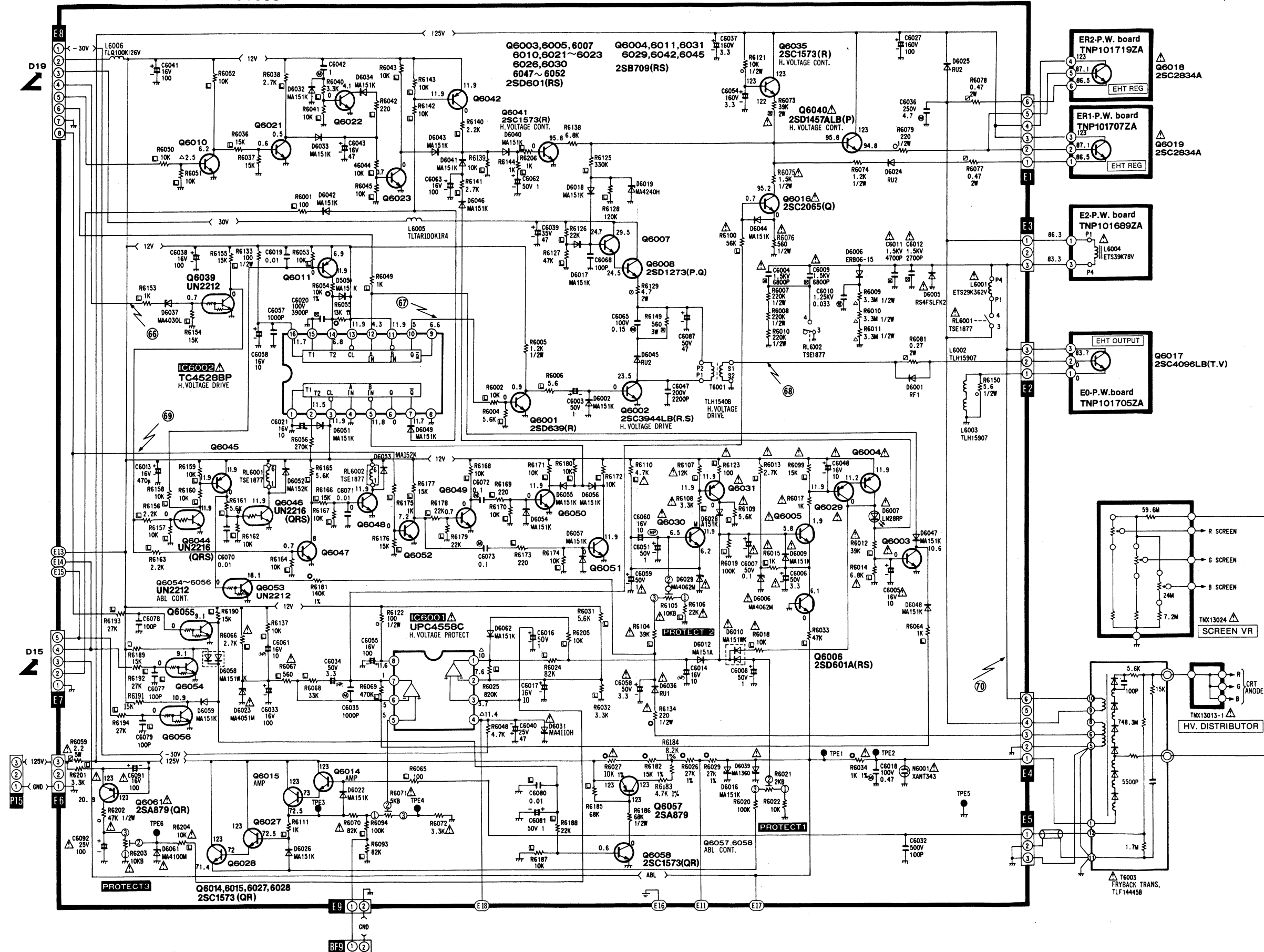


D1-P.W. board TNP101683





E1-P.W. board TNP101688



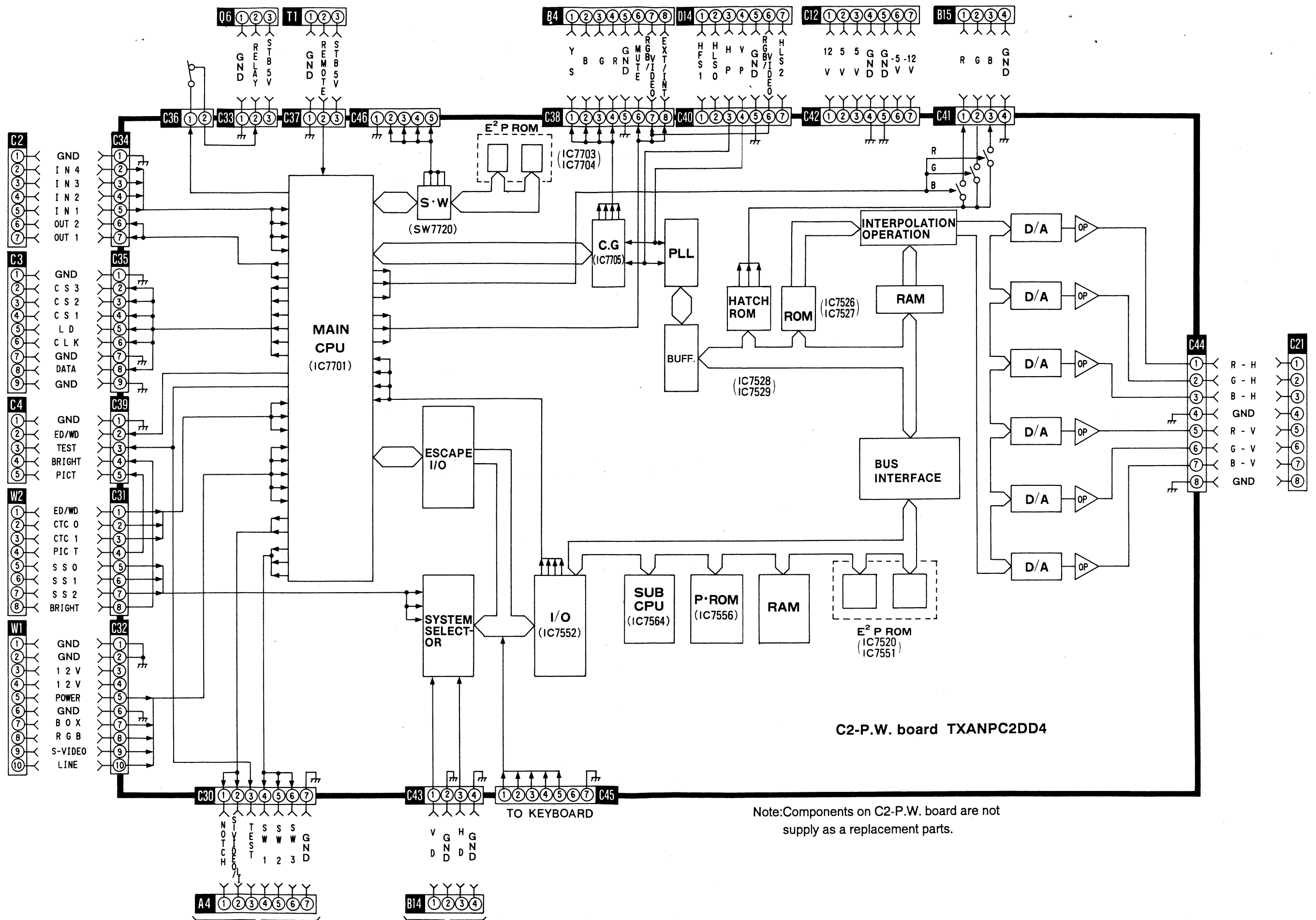
C2
 1 GN
 2 IN
 3 IN
 4 IN
 5 IN
 6 OUT
 7 OUT

C3
 1 GN
 2 CS
 3 CS
 4 CS
 5 LI
 6 CL
 7 GN
 8 DAT
 9 GN

C4
 1 GN
 2 ED/
 3 TES
 4 BRIG
 5 PIC

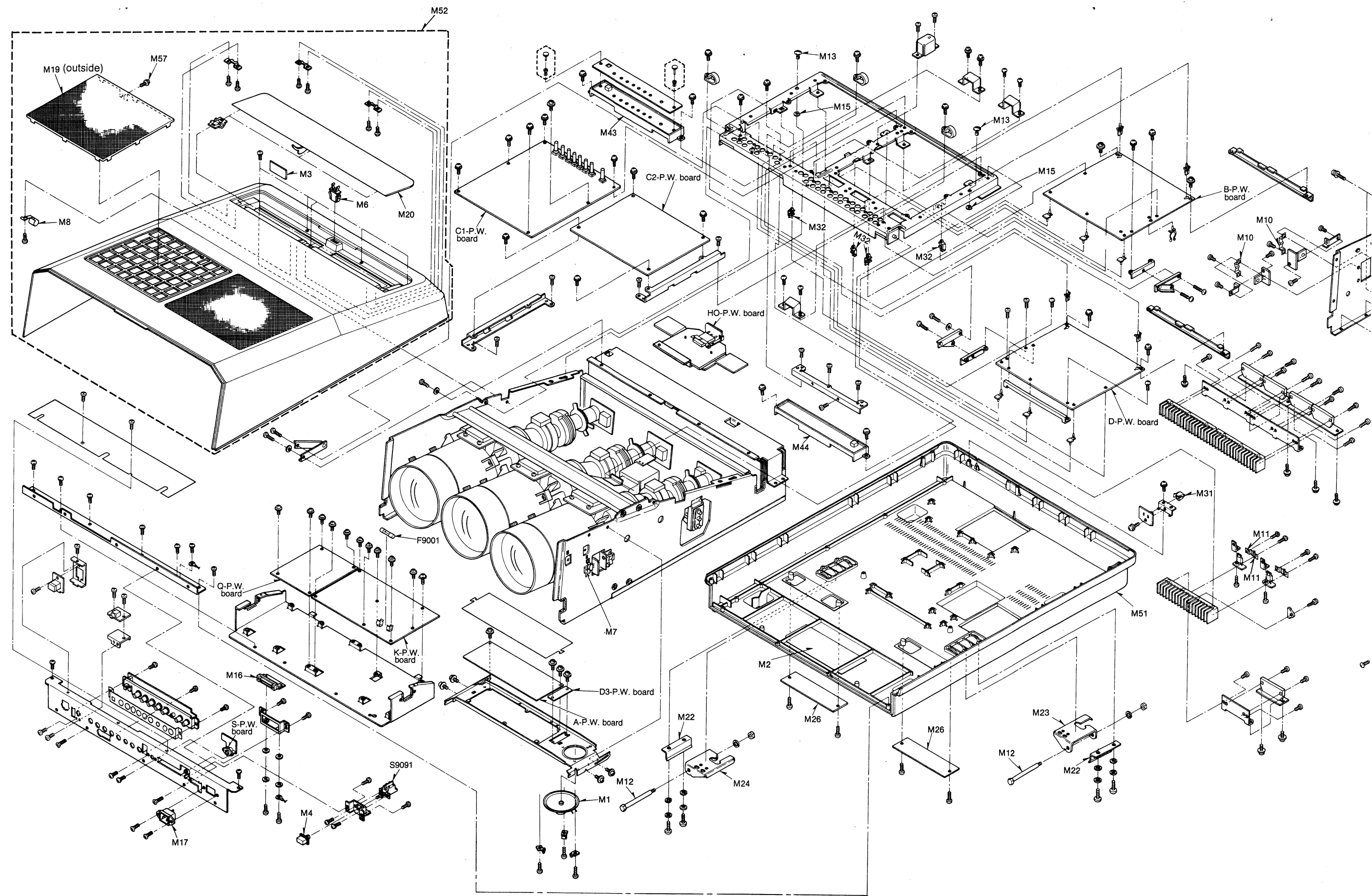
W2
 1 ED/
 2 CTC
 3 CTC
 4 PIC
 5 S S
 6 S S
 7 S S
 8 BRIG

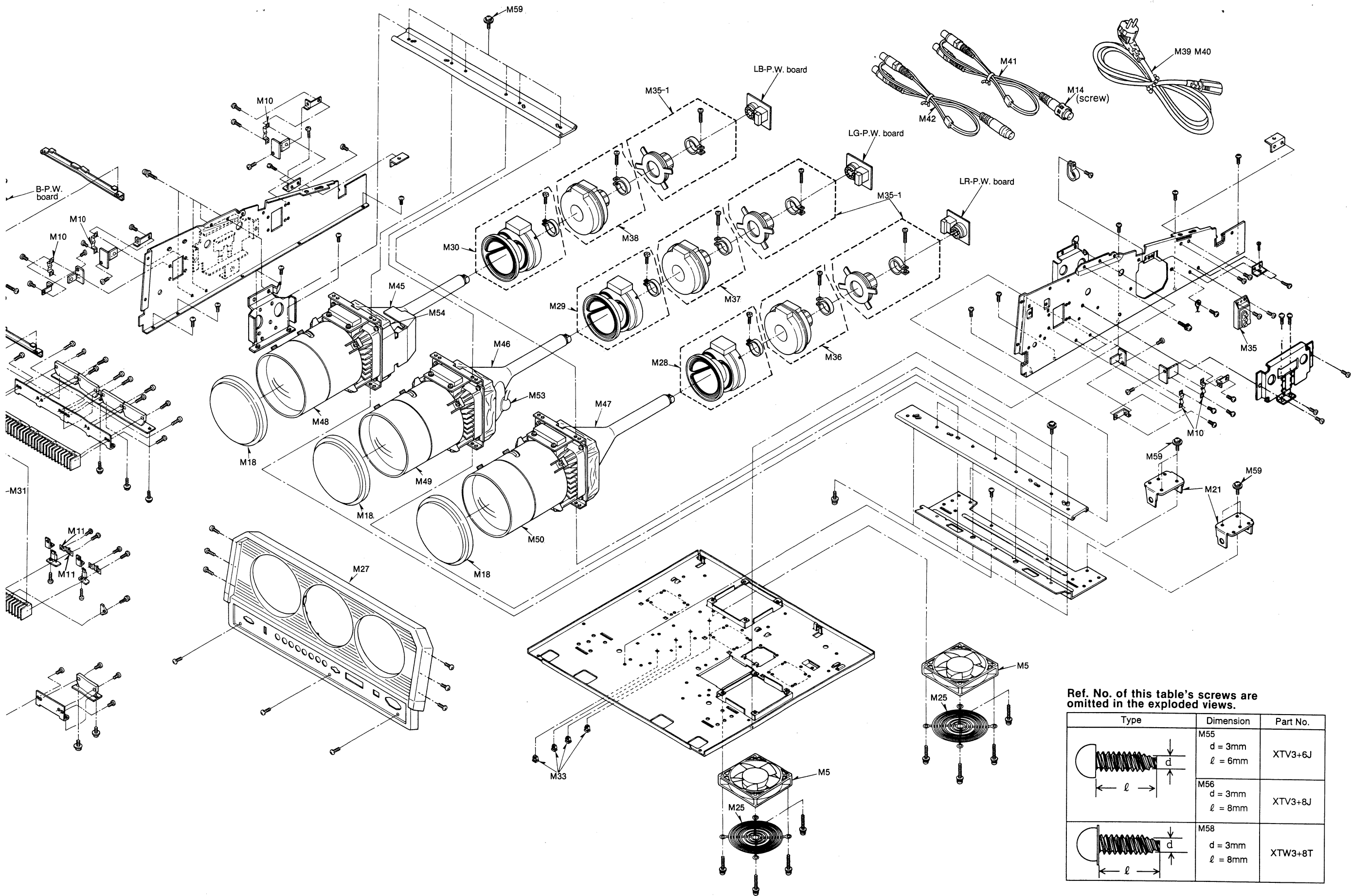
W1
 1 GN
 2 GN
 3 1 2
 4 1 2
 5 POW
 6 GN
 7 B C
 8 R C
 9 S-V
 10 LI



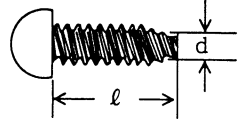
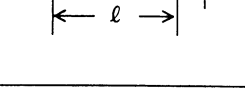
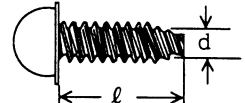
Note: Components on C2-P.W. board are not supply as a replacement parts.

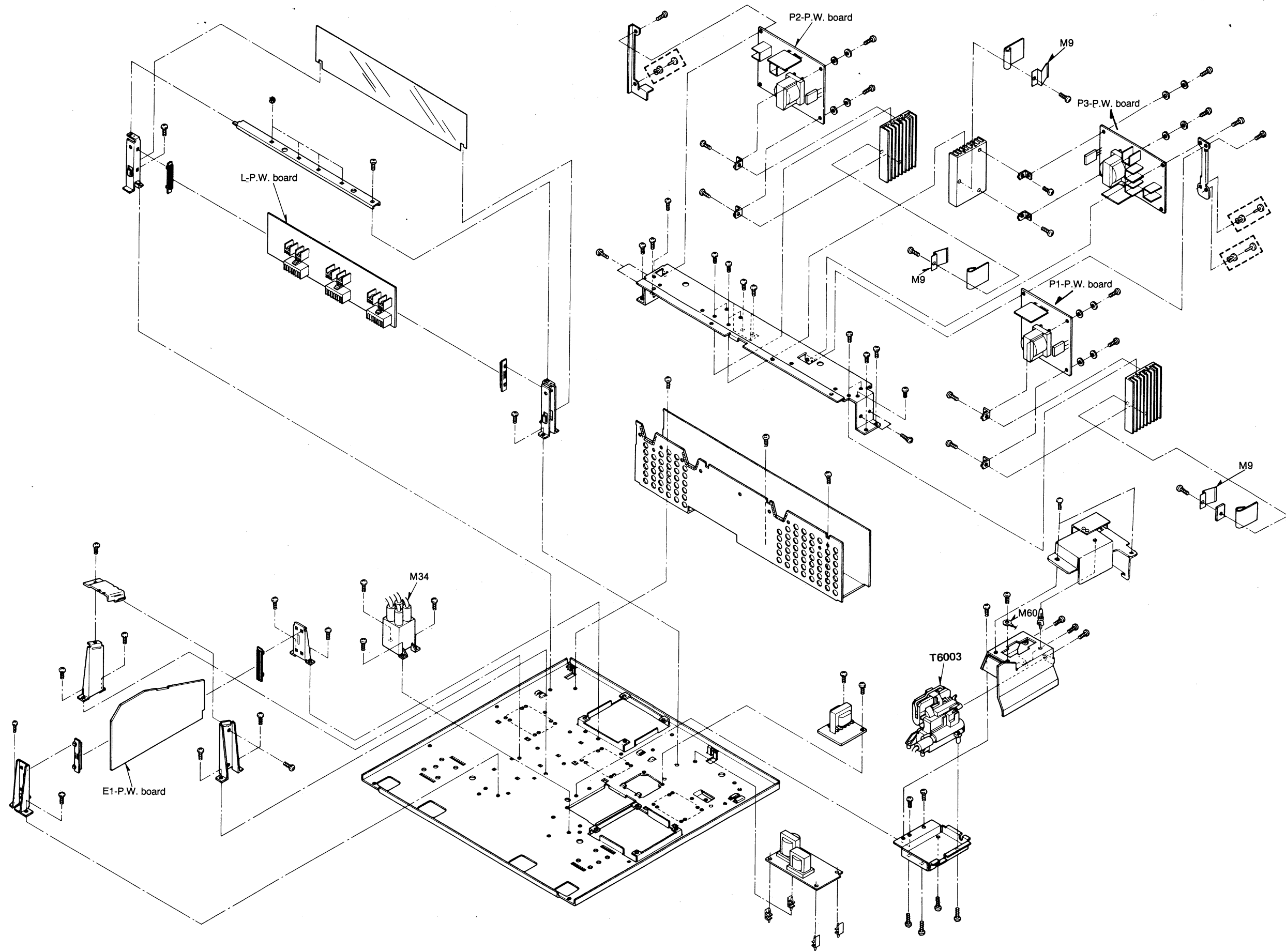
Exploded Views





Ref. No. of this table's screws are omitted in the exploded views.

Type	Dimension	Part No.
	M55 d = 3mm ℓ = 6mm	XTV3+6J
	M56 d = 3mm ℓ = 8mm	XTV3+8J
	M58 d = 3mm ℓ = 8mm	XTW3+8T



Compo
When r

Abbrevia

1. Re

Example:

ERD:

C :
F :
M :

S :
W :

Note: For
Prir
dis

Ref.No.	Pa
RESI	
R1001	ERD25
R1002	ERD25
R1111	ERDS:
R1112	ERDS:
R1113	ERDS:
R1115	ERDS:
R1121	ERDS:
R1122	ERDS:
R1123	ERDS:
R1198	ERDS:
R1199	ERDS:
R1200	ERDS:
R1201	ERDS:
R1202	ERDS:
R1203	ERDS:
R1204	ERDS:
R1205	ERDS:
R1206	ERDS:
R1207	ERDS:
R1208	ERDS:
R1209	ERDS:
R1210	ERDS:
R1211	ERQ30
R1212	ERDS:
R2001	ERDS
R2002	ERD25
R2003	ERD25
R2004	ERDS
R2005	ERD25
R2006	ERD25
R2007	ERD25
R2008	ERG5
R2009	ERG5

REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by the International symbol Δ have special characteristics important for safety.
When replacing any of these components use only manufacture's specified Parts.

Abbreviation of Part Name and Description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V
TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ± 0.25 pF
E : Electrolytic	D : ± 0.5 pF
P : Polyester	F : ± 1 pF
PP : Polypropylene	J : $\pm 5\%$
S : Styrol	K : $\pm 10\%$
T : Tantalum	L : $\pm 15\%$
	M : $\pm 20\%$
	P : $\pm 100\%$, -0%
	Z : $\pm 80\%$, -20%

Note: For G of Ref. No., not indicate illustration of it part on "Exploded Views".

Printed circuit board assembly with mark (NLA) is no longer available after production discontinuation of the complete set.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
RESISTORS					
R1001	ERD25TLJ1R8	C 1.8OHM, J, 1/4W	R2010	ERG5SJ561H	M 560OHM, J, 5W
R1002	ERD25TLJ1R8	C 1.8OHM, J, 1/4W	R2011	ERG5SJ561H	M 560OHM, J, 5W
R1111	ERDS2TJ102	C 1KOHM, J, 1/4W	R2012	ERQ12HJ101	F 100OHM, J, 1/2W
R1112	ERDS2TJ103	C 10KOHM, J, 1/4W	R2013	ERD25TJ330	C 33OHM, J, 1/4W
R1113	ERDS2TJ101	C 100OHM, J, 1/4W	R2014	ERD25TJ330	C 33OHM, J, 1/4W
			R2015	ERDS1FJ151	C 150OHM, J, 1/2W
			R2016	ERG3SJ180	M 18OHM, J, 3W
R1115	ERDS2TJ470	C 47OHM, J, 1/4W	R2018	ERDS1TJ820	C 82OHM, J, 1/2W
R1121	ERDS2TJ331	C 330OHM, J, 1/4W	R2019	ERDS1TJ473	C 47KOHM, J, 1/2W
R1122	ERDS2TJ103	C 10KOHM, J, 1/4W			
R1123	ERDS2TJ470	C 47OHM, J, 1/4W	R2020	ERG3SJ470H	M 47OHM, J, 3W
R1198	ERDS2TJ101	C 100OHM, J, 1/4W	R2021	ERG1SJ102P	M 1KOHM, J, 1W
			R2022	ERD25TJ821	C 820OHM, J, 1/4W
R1199	ERDS2TJ124	C 120KOHM, J, 1/4W	R2023	ERD25TJ391	C 390OHM, J, 1/4W
R1200	ERDS2TJ154	C 150KOHM, J, 1/4W	R2101	ERDS1TJ221	C 220OHM, J, 1/2W
R1201	ERDS2TJ124	C 120KOHM, J, 1/4W			
R1202	ERDS2TJ182	C 1.8KOHM, J, 1/4W	R2102	ERD25TJ220	C 22OHM, J, 1/4W
R1203	ERDS2TJ102	C 1KOHM, J, 1/4W	R2103	ERD25TJ221	C 220OHM, J, 1/4W
			R2104	ERDS1TJ101	C 100OHM, J, 1/2W
R1204	ERDS2TJ392	C 3.9KOHM, J, 1/4W	R2105	ERD25TJ330	C 33OHM, J, 1/4W
R1205	ERDS2TJ103	C 10KOHM, J, 1/4W	R2106	ERD25TJ100	C 10OHM, J, 1/4W
R1206	ERDS1FJ221	C 220OHM, J, 1/2W			
R1207	ERDS2TJ151	C 150OHM, J, 1/4W	R2107	ERD25TJ182	C 1.8KOHM, J, 1/4W
R1208	ERDS2TJ682	C 6.8KOHM, J, 1/4W	R2108	ERG5SJ561H	M 560OHM, J, 5W
			R2109	ERG5SJ561H	M 560OHM, J, 5W
R1209	ERDS2TJ103	C 10KOHM, J, 1/4W	R2110	ERG5SJ561H	M 560OHM, J, 5W
R1210	ERDS2TJ4R7	C 4.7OHM, J, 1/4W	R2111	ERG5SJ561H	M 560OHM, J, 5W
R1211	ERQ3CJ150	F 15OHM, J, 3W			
R1212	ERDS2TJ271	C 270OHM, J, 1/4W	R2112	ERQ12HJ101	F 100OHM, J, 1/2W
R2001	ERDS1TJ221	C 220OHM, J, 1/2W	R2113	ERD25TJ330	C 33OHM, J, 1/4W
			R2114	ERD25TJ330	C 33OHM, J, 1/4W
R2002	ERD25TJ220	C 22OHM, J, 1/4W	R2115	ERDS1FJ151	C 150OHM, J, 1/2W
R2003	ERD25TJ221	C 220OHM, J, 1/4W	R2116	ERG3SJ180	M 18OHM, J, 3W
R2004	ERDS1TJ101	C 100OHM, J, 1/2W			
R2005	ERD25TJ330	C 33OHM, J, 1/4W	R2118	ERDS1TJ820	C 82OHM, J, 1/2W
R2006	ERD25TJ100	C 10OHM, J, 1/4W	R2119	ERDS1TJ473	C 47KOHM, J, 1/2W
			R2120	ERG3SJ470H	M 47OHM, J, 3W
R2007	ERD25TJ182	C 1.8KOHM, J, 1/4W	R2122	ERD25TJ821	C 820OHM, J, 1/4W
R2008	ERG5SJ561H	M 560OHM, J, 5W	R2123	ERD25TJ391	C 390OHM, J, 1/4W
R2009	ERG5SJ561H	M 560OHM, J, 5W			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R2201	ERDS1TJ221	C 220OHM, J, 1/2W	R3339	ERDS1TJ152	C 1.5KOHM, J, 1/2W
R2202	ERD25TJ220	C 22OHM, J, 1/4W	R3340	ERJ8GICYJ330	M 33OHM, J, 1/8W
R2203	ERD25TJ221	C 220OHM, J, 1/4W	R3341	ERG1SJ101P	M 100OHM, J, 1W
R2204	ERDS1TJ101	C 100OHM, J, 1/2W	R3342	ERJ8GICYK5R6	M 5.6OHM, K, 1/8W
R2205	ERD25TJ330	C 33OHM, J, 1/4W			
			R3343	ERJ8GICYJ101	M 100OHM, J, 1/8W
R2206	ERD25TJ100	C 10OHM, J, 1/4W	R3344	ERJ8GICYJ271	M 270OHM, J, 1/8W
R2207	ERD25TJ182	C 1.8KOHM, J, 1/4W	R3345	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R2208	ERG5SJ561H	M 560OHM, J, 5W	R3346	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R2209	ERG5SJ561H	M 560OHM, J, 5W	R3347	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R2210	ERG5SJ561H	M 560OHM, J, 5W			
			R3348	ERJ8GICYJ271	M 270OHM, J, 1/8W
R2211	ERG5SJ561H	M 560OHM, J, 5W	R3349	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R2212	ERQ12HJ101	F 100OHM, J, 1/2W	R3350	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R2213	ERD25TJ330	C 33OHM, J, 1/4W	R3351	ERD25TJ750	C 750OHM, J, 1/4W
R2214	ERD25TJ330	C 33OHM, J, 1/4W	R3352	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R2215	ERDS1FJ151	C 150OHM, J, 1/2W			
			R3353	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R2216	ERG3SJ180	M 18OHM, J, 3W	R3354	ERJ8GICYJ820	M 82OHM, J, 1/8W
R2218	ERDS1TJ820	C 82OHM, J, 1/2W	R3355	ERD25TJ681	C 680OHM, J, 1/4W
R2219	ERDS1TJ473	C 47KOHM, J, 1/2W	R3356	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R2220	ERG3SJ470H	M 47OHM, J, 3W	R3357	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R2222	ERD25TJ821	C 820OHM, J, 1/4W	R3358	ERJ8GICYJ331	M 330OHM, J, 1/8W
R2223	ERD25TJ391	C 390OHM, J, 1/4W	R3359	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R3001	ERD25TJ750	C 750OHM, J, 1/4W	R3360	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3301	ERD25TJ750	C 750OHM, J, 1/4W	R3362	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3302	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R3363	ERJ8GICYJ331	M 330OHM, J, 1/8W
R3303	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R3365	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R3304	ERJ8GICYJ820	M 82OHM, J, 1/8W	R3366	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R3305	ERD25TJ681	C 680OHM, J, 1/4W	R3367	ERJ8GICYJ330	M 33OHM, J, 1/8W
R3306	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3368	ERJ8GICYJ331	M 330OHM, J, 1/8W
R3307	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R3369	ERJ8GICYJ271	M 270OHM, J, 1/8W
R3308	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3370	ERJ8GICYJ151	M 150OHM, J, 1/8W
R3309	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R3371	ERJ8GICYJ271	M 270OHM, J, 1/8W
R3310	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R3372	ERJ8GICYJ561	M 560OHM, J, 1/8W
R3311	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R3373	ERJ8GICYJ561	M 560OHM, J, 1/8W
R3312	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3374	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3313	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3375	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3314	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W	R3376	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3315	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W	R3377	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3316	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W	R3378	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R3317	ERJ8GICYJ330	M 33OHM, J, 1/8W	R3379	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3318	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3380	ERJ8GICYJ823	M 82KOHM, J, 1/8W
R3319	ERJ8GICYJ271	M 270OHM, J, 1/8W	R3381	ERJ8GICYJ471	M 470OHM, J, 1/8W
R3320	ERJ8GICYJ151	M 150OHM, J, 1/8W	R3382	ERJ8GICYJ330	M 33OHM, J, 1/8W
R3321	ERJ8GICYJ271	M 270OHM, J, 1/8W	R3383	ERJ8GICYJ221	M 220OHM, J, 1/8W
R3322	ERJ8GICYJ561	M 560OHM, J, 1/8W	R3384	EVND4AA00B32	CONTROL 300OHMB
R3323	ERJ8GICYJ561	M 560OHM, J, 1/8W	R3385	ERD25TJ561	C 560OHM, J, 1/4W
R3324	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3386	ERD25TJ331	C 330OHM, J, 1/4W
R3326	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3387	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3327	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R3388	ERD25TJ821	C 820OHM, J, 1/4W
R3328	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W			
R3329	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R3389	ERDS1TJ152	C 1.5KOHM, J, 1/2W
R3330	ERJ8GICYJ823	M 82KOHM, J, 1/8W	R3390	ERJ8GICYJ330	M 33OHM, J, 1/8W
R3331	ERJ8GICYJ471	M 470OHM, J, 1/8W	R3391	ERG1SJ101P	M 100OHM, J, 1W
R3332	ERJ8GICYJ330	M 33OHM, J, 1/8W	R3392	ERJ8GICYK5R6	M 5.6OHM, K, 1/8W
R3333	ERJ8GICYJ221	M 220OHM, J, 1/8W	R3393	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3334	EVND4AA00B32	CONTROL 300OHMB	R3394	ERJ8GICYJ271	M 270OHM, J, 1/8W
R3335	ERD25TJ561	C 560OHM, J, 1/4W	R3396	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R3336	ERD25TJ331	C 330OHM, J, 1/4W	R3397	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R3337	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3398	ERJ8GICYJ271	M 270OHM, J, 1/8W
R3338	ERD25TJ681	C 680OHM, J, 1/4W	R3399	ERJ8GICYJ102	M 1KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R3400	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R3464	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W
R3401	ERD25TJ750	C 750HM, J, 1/4W	R3465	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R3402	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R3466	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W
R3403	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R3467	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3404	ERJ8GICYJ820	M 820HM, J, 1/8W	R3468	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R3405	ERD25TJ681	C 680OHM, J, 1/4W	R3469	EVND4AA00B54	CONTROL 50KOHMB
R3406	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3470	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R3407	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R3471	ERJ8GICYJ184	M 180KOHM, J, 1/8W
R3408	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3472	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W
R3409	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R3473	ERJ8GICYJ333	M 33KOHM, J, 1/8W
R3410	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R3474	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R3412	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3475	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W
R3413	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3486	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3415	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W	R3487	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3416	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W	R3488	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3417	ERJ8GICYJ330	M 330HM, J, 1/8W	R3489	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3418	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3490	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3419	ERJ8GICYJ271	M 270OHM, J, 1/8W	R3491	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3420	ERJ8GICYJ151	M 150OHM, J, 1/8W	R3492	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3421	ERJ8GICYJ271	M 270OHM, J, 1/8W	R3493	EVND4AA00B14	CONTROL 10KOHMB
R3422	ERJ8GICYJ561	M 560OHM, J, 1/8W	R3494	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3423	ERJ8GICYJ561	M 560OHM, J, 1/8W	R3495	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R3424	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3496	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3426	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3497	ERJ8GICYJ821	M 820OHM, J, 1/8W
R3427	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R3501	ERJ8GICYJ221	M 220OHM, J, 1/8W
R3428	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R3502	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3429	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R3503	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3430	ERJ8GICYJ823	M 82KOHM, J, 1/8W	R3504	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3431	ERJ8GICYJ471	M 470OHM, J, 1/8W	R3505	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3432	ERJ8GICYJ330	M 330HM, J, 1/8W	R3506	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3433	ERJ8GICYJ221	M 220OHM, J, 1/8W	R3507	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R3434	EVND4AA00B32	CONTROL 300OHMB	R3508	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3435	ERD25TJ681	C 680OHM, J, 1/4W	R3509	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R3436	ERD25TJ331	C 330OHM, J, 1/4W	R3510	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3437	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3511	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3438	ERD25TJ821	C 820OHM, J, 1/4W	R3512	EVND4AA00B13	CONTROL 1KOHMB
R3439	ERDS1TJ152	C 1.5KOHM, J, 1/2W	R3513	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3440	ERJ8GICYJ330	M 330HM, J, 1/8W	R3514	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3441	ERG15J101P	M 100OHM, J, 1W	R3515	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3442	ERJ8GICYK5R6	M 5.6OHM, K, 1/8W	R3516	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R3443	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3517	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3444	ERJ8GICYJ271	M 270OHM, J, 1/8W	R3518	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W
R3445	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R3519	EVND4AA00B54	CONTROL 50KOHMB
R3446	ERJ8GICYJ271	M 270OHM, J, 1/8W	R3520	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3449	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3521	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3450	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R3522	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3451	ERJ8GICYJ333	M 33KOHM, J, 1/8W	R3523	ERJ8GICYJ123	M 12KOHM, J, 1/8W
R3452	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3524	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R3453	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R3525	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3454	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3526	EVND4AA00B13	CONTROL 1KOHMB
R3455	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R3527	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3456	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3528	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3457	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R3529	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3458	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R3530	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R3459	EVND4AA00B14	CONTROL 10KOHMB	R3531	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R3460	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R3532	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W
R3461	EVND4AA00B14	CONTROL 10KOHMB	R3533	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3462	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R3534	EVND4AA00B54	CONTROL 50KOHMB
R3463	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R3535	ERJ8GICYJ102	M 1KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R3536	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R3607	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3537	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R3608	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3538	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3609	EVN38CA00B15	CONTROL 100KOHMB
R3539	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3610	EVN38CA00B54	CONTROL 50KOHMB
			R3611	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R3540	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3612	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R3541	ERJ8GICYJ564	M 56KOHM, J, 1/8W	R3613	ERJ8GICYJ154	M 150KOHM, J, 1/8W
R3542	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3614	EVN38CA00B55	CONTROL 500KOHMB
R3543	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3615	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3544	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3616	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3545	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3617	EVN38CA00B54	CONTROL 50KOHMB
R3551	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R3618	EVN38CA00B15	CONTROL 100KOHMB
R3552	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3619	EVN38CA00B54	CONTROL 50KOHMB
R3553	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R3620	ERJ8GICYJ683	M 68KOHM, J, 1/8W
R3554	ERD25FJ750	C 75OHM, J, 1/4W	R3621	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R3555	ERD25FJ750	C 75OHM, J, 1/4W	R3622	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3558	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3623	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3560	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R3624	ERJ8GICYJ221	M 220OHM, J, 1/8W
R3561	ERJ8GICYJ124	M 120KOHM, J, 1/8W	R3625	ERJ8GICYJ683	M 68KOHM, J, 1/8W
R3562	ERJ8GICYJ104	M 100KOHM, J, 1/8W	R3626	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3564	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R3627	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R3565	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R3628	ERJ8GICYJ823	M 82KOHM, J, 1/8W
R3567	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R3629	ERJ8GICYJ221	M 220OHM, J, 1/8W
R3568	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R3630	ERJ8GICYJ681	M 680OHM, J, 1/8W
R3569	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R3631	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3570	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3632	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3571	EVN38CA00B15	CONTROL 100KOHMB	R3633	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R3572	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R3634	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3573	EVN38CA00B54	CONTROL 50KOHMB	R3635	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R3574	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R3636	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3575	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R3702	ERJ8GICYJ820	M 82OHM, J, 1/8W
R3577	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R3703	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3578	ERJ8GICYJ154	M 150KOHM, J, 1/8W	R3704	EVND4AA00B13	CONTROL 1KOHMB
R3579	ERJ8GICYJ683	M 68KOHM, J, 1/8W	R3705	ERJ8GICYJ331	M 330OHM, J, 1/8W
R3580	EVN38CA00B54	CONTROL 50KOHMB	R3706	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R3581	ERJ8GICYJ394	M 390KOHM, J, 1/8W	R3707	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3582	EVN38CA00B55	CONTROL 500KOHMB	R3708	ERJ8GICYJ471	M 470OHM, J, 1/8W
R3583	EVN38CA00B15	CONTROL 100KOHMB	R3711	ERJ8GICYJ561	M 560OHM, J, 1/8W
R3584	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R3761	ERJ8GICYJ561	M 560OHM, J, 1/8W
R3586	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R3802	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3587	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R3803	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3588	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R3804	EVND4AA00B13	CONTROL 1KOHMB
R3589	ERJ8GICYJ393	M 39KOHM, J, 1/8W	R3805	ERJ8GICYJ331	M 330OHM, J, 1/8W
R3590	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R3806	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R3591	ERJ8GICYJ331	M 330OHM, J, 1/8W	R3808	ERJ8GICYJ471	M 470OHM, J, 1/8W
R3592	ERJ8GICYJ473	M 47KOHM, J, 1/8W	R3809	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W
R3593	ERJ8GICYJ473	M 47KOHM, J, 1/8W	R3810	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3594	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R3811	ERJ8GICYJ561	M 560OHM, J, 1/8W
R3595	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3812	ERJ8GICYJ101	M 100OHM, J, 1/8W
R3596	ERJ8GICYJ101	M 100OHM, J, 1/8W	R3813	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R3597	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R3814	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3599	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R3815	EVND4AA00B24	CONTROL 20KOHMB
R3600	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R4002	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R3601	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R4003	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R3602	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R4004	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R3603	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R4005	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3604	ERJ8GICYJ681	M 680OHM, J, 1/8W	R4006	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R3605	ERJ8GICYJ331	M 330OHM, J, 1/8W	R4007	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R3606	EVN38CA00B54	CONTROL 50KOHMB	R4008	ERJ8GICYJ102	M 1KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R4009	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W	R4124	ERJ8GCVJ333	M 33KOHM, J, 1/8W
R4010	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4125	ERJ8GCVJ101	M 100OHM, J, 1/8W
R4012	EVND4AA00B13	CONTROL 1KOHMB	R4126	ERJ8GCVJ182	M 1.8KOHM, J, 1/8W
R4013	ERJ8GCVJ101	M 100OHM, J, 1/8W	R4127	ERJ8GCVJ271	M 270OHM, J, 1/8W
R4014	ERJ8GCVJ102	M 1KOHM, J, 1/8W			
R4015	ERDS1FJ121	C 120OHM, J, 1/2W	R4128	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W
R4016	ERJ8GCVJ821	M 820OHM, J, 1/8W	R4129	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R4017	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R4130	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W
R4018	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R4131	ERJ8GCVJ101	M 100OHM, J, 1/8W
R4019	ERJ8GCVJ561	M 560OHM, J, 1/8W	R4132	ERJ8GCVJ182	M 1.8KOHM, J, 1/8W
R4020	ERJ8GCVJ471	M 470OHM, J, 1/8W	R4133	ERJ8GCVJ471	M 470OHM, J, 1/8W
R4021	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R4134	ERJ8GCVJ271	M 270OHM, J, 1/8W
R4022	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R4135	ERJ8GCVK225	M 2.2MOHM, K, 1/8W
R4023	ERJ8GCVJ182	M 1.8KOHM, J, 1/8W	R4136	ERJ8GCVJ561	M 560OHM, J, 1/8W
R4024	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4137	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W
R4025	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4138	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R4026	ERJ8GCVJ101	M 100OHM, J, 1/8W	R4139	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R4027	EVND4AA00B23	CONTROL 2KOHMB	R4140	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R4028	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R4306	ERJ8GCVJ564	M 560KOHM, J, 1/8W
R4029	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W	R4307	ERJ8GCVJ474	M 470KOHM, J, 1/8W
R4030	ERJ8GCVJ751	M 750OHM, J, 1/8W	R4308	ERJ8GCVJ394	M 390KOHM, J, 1/8W
R4031	ERJ8GCVJ751	M 750OHM, J, 1/8W	R4309	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R4032	ERJ8GCVJ271	M 270OHM, J, 1/8W	R4310	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R4033	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W	R4311	ERJ8GCVJ104	M 100KOHM, J, 1/8W
R4034	EVND4AA00B23	CONTROL 2KOHMB	R4312	ERJ8GCVJ822	M 8.2KOHM, J, 1/8W
R4035	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R4313	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R4036	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W	R4314	ERJ8GCVJ681	M 680OHM, J, 1/8W
R4037	ERJ8GCVJ221	M 220OHM, J, 1/8W	R4315	ERJ8GCVJ471	M 470OHM, J, 1/8W
R4038	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4316	ERJ8GCVJ561	M 560OHM, J, 1/8W
R4039	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4317	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4040	EVND4AA00B33	CONTROL 3KOHMB	R4318	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W
R4041	ERJ8GCVJ181	M 180OHM, J, 1/8W	R4319	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R4042	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R4401	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R4043	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4402	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W
R4044	ERJ8GCVJ101	M 100OHM, J, 1/8W	R4403	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R4071	ERJ8GCVJ682	M 6.8KOHM, J, 1/8W	R4404	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R4072	ERJ8GCVJ822	M 8.2KOHM, J, 1/8W	R4405	ERJ8GCVJ561	M 560OHM, J, 1/8W
R4073	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R4406	ERJ8GCVJ271	M 270OHM, J, 1/8W
R4074	ERJ8GCVJ101	M 100OHM, J, 1/8W	R4407	ERJ8GCVJ561	M 560OHM, J, 1/8W
R4075	ERJ8GCVJ221	M 220OHM, J, 1/8W	R4408	ERJ8GCVJ151	M 150OHM, J, 1/8W
R4101	ERJ8GCVJ682	M 6.8KOHM, J, 1/8W	R4409	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4102	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4410	ERJ8GCVJ391	M 390OHM, J, 1/8W
R4103	ERD25TJ750	C 750HM, J, 1/4W	R4411	ERJ8GCVJ391	M 390OHM, J, 1/8W
R4104	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R4412	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4105	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R4413	ERJ8GCVJ561	M 560OHM, J, 1/8W
R4106	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4414	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4107	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4415	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4108	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4416	ERJ8GCVJ101	M 100OHM, J, 1/8W
R4109	ERJ8GCVJ473	M 47KOHM, J, 1/8W	R4417	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4110	ERJ8GCVJ473	M 47KOHM, J, 1/8W	R4418	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4111	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W	R4419	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W
R4112	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W	R4420	ERJ8GCVJ821	M 820OHM, J, 1/8W
R4113	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W	R4421	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R4115	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W	R4423	ERJ8GCVJ471	M 470OHM, J, 1/8W
R4116	ERJ8GCVJ471	M 470OHM, J, 1/8W	R4424	ERJ8GCVJ182	M 1.8KOHM, J, 1/8W
R4117	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4425	ERJ8GCVJ561	M 560OHM, J, 1/8W
R4118	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4429	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W
R4119	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R4430	ERJ8GCVJ203	M 20KOHM, J, 1/8W
R4123	ERJ8GCVJ393	M 39KOHM, J, 1/8W	R4432	ERJ8GCVJ393	M 39KOHM, J, 1/8W
			R4433	ERJ8GCVJ123	M 12KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R4434	ERJ8GICYJ681	M 680OHM, J, 1/8W	R4775	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R4435	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W	R4776	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R4436	ERJ8GICYJ123	M 12KOHM, J, 1/8W	R4777	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R4437	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R4778	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R4438	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4801	ERJ8GICYJ334	M 330KOHM, J, 1/8W
R4439	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R4802	ERJ8GICYK275	M 2.7MOHM, G, 1/8W
R4440	ERJ8GICYJ471	M 470OHM, J, 1/8W	R4803	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R4441	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R4804	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R4442	EVND4AA00B14	CONTROL 10KOHMB	R4805	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R4444	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4806	ERJ8GICYJ333	M 33KOHM, J, 1/8W
R4447	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4807	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R4450	ERJ8GICYJ471	M 470OHM, J, 1/8W	R4808	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R4452	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4809	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R4454	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R4810	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R4601	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R4811	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R4602	ERJ8GICYJ221	M 220OHM, J, 1/8W	R4812	ERJ8GICYJ104	M 100KOHM, J, 1/8W
R4603	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4813	ERJ8GICYJ564	M 560KOHM, J, 1/8W
R4604	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R4814	ERJ8GICYK395	M 3.9KOHM, K, 1/8W
R4605	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R4815	ERJ8GICYJ473	M 47KOHM, J, 1/8W
R4606	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R4816	ERJ8GICYJ473	M 47KOHM, J, 1/8W
R4607	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R4817	ERJ8GICYJ105	M 1MOHM, J, 1/8W
R4608	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R4818	ERJ8GICYK155	M 1.5MOHM, G, 1/8W
R4609	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R4819	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R4610	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R4820	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R4611	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R4821	ERJ8GICYK395	M 3.9KOHM, K, 1/8W
R4631	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R4822	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R4641	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4823	EVND4AA00B13	CONTROL 1KOHMB
R4642	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W	R4824	ERJ8GICYJ101	M 100OHM, J, 1/8W
R4661	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R4825	ERJ8GICYJ101	M 100OHM, J, 1/8W
R4662	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R4826	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R4663	ERD25TJ750	C 750OHM, J, 1/4W	R4827	ERJ8GICYJ101	M 100OHM, J, 1/8W
R4701	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R4828	ERJ8GICYJ391	M 390OHM, J, 1/8W
R4702	EVND4AA00B14	CONTROL 10KOHMB	R4829	EVND4AA00B53	CONTROL 5KOHMB
R4709	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R4830	EVND4AA00B53	CONTROL 5KOHMB
R4710	ERJ8GICYJ104	M 100KOHM, J, 1/8W	R4831	ERJ8GICYJ561	M 560OHM, J, 1/8W
R4712	ERJ8GICYJ123	M 12KOHM, J, 1/8W	R4832	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R4714	ERDS1TJ3R3	C 3.3OHM, J, 1/2W	R4833	ERJ8GICYJ561	M 560OHM, J, 1/8W
R4734	ERJ8GICYOR00	M 0OHM, J, 1/8W	R4834	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R4751	ERO25CKF1962	M19.6KOHM, F, 1/4W	R4835	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R4752	ERO25CKF2152	M21.5KOHM, F, 1/4W	R4836	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R4753	ERO25CKF1002	M 10KOHM, F, 1/4W	R4837	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R4755	ERJ8GICYJ393	M 39KOHM, J, 1/8W	R4838	EVND4AA00B14	CONTROL 10KOHMB
R4756	ERJ8GICYJ151	M 150OHM, J, 1/8W	R4839	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R4757	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R4840	ERJ8GICYJ333	M 33KOHM, J, 1/8W
R4758	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R4841	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R4759	ERJ8GICYJ224	M 220KOHM, J, 1/8W	R4842	ERJ8GICYJ473	M 47KOHM, J, 1/8W
R4760	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R4843	EVND4AA00B54	CONTROL 50KOHMB
R4761	ERJ8GICYJ511	M 510OHM, G, 1/8W	R4844	ERJ8GICYJ473	M 47KOHM, J, 1/8W
R4762	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R4845	ERJ8GICYJ273	M 27KOHM, J, 1/8W
R4763	ERJ8GICYJ224	M 220KOHM, J, 1/8W	R4846	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R4765	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R4847	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R4766	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R4871	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R4767	ERG1SJ181P	M 180OHM, J, 1W	R4872	ERJ8GICYJ331	M 330OHM, J, 1/8W
R4768	ERJ8GICYOR00	M 0OHM, J, 1/8W	R4873	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R4771	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W	R4874	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R4772	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R4875	ERJ8GICYJ680	M 68OHM, J, 1/8W
R4773	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W	R4876	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R4774	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R4881	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
			R4882	ERJ8GICYJ331	M 330OHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R4883	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R5057	ERJ8GICYJ100	M 100OHM, J, 1/8W
R4884	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R5058	ERG5CJ471	M 470OHM, J, 5W
R4885	ERJ8GICYJ680	M 680OHM, J, 1/8W	R5059	ERF2AKR22	W 0.22OHM, K, 2W
R4886	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R5060	ERX1SJ5R6P	M 5.6OHM, J, 1W
			R5061	ERJ8GICYJ123	M 12KOHM, J, 1/8W
R4891	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W			
R4892	ERJ8GICYJ331	M 330OHM, J, 1/8W	R5062	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R4893	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R5063	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R4894	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R5064	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R4895	ERJ8GICYJ680	M 680OHM, J, 1/8W	R5065	ERJ8GICYJ103	M 10KOHM, J, 1/8W
			R5066	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R4896	ERJ8GICYJ103	M 10KOHM, J, 1/8W			
R5001	ERJ8GICYJ271	M 270OHM, J, 1/8W	R5067	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5002	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R5068	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5003	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R5070	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R5004	ERJ8GICYJ471	M 470OHM, J, 1/8W	R5071	ERJ8GICYJ101	M 100OHM, J, 1/8W
			R5074	ERG3SJ103H	M 10KOHM, J, 3W
R5005	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W			
R5006	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R5075	ERJ8GICYJ101	M 100OHM, J, 1/8W
R5007	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R5076	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5008	ERD25FJ220	C 220OHM, J, 1/4W	R5077	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R5009	ERJ8GICYJ273	M 27KOHM, J, 1/8W	R5078	EVN38CA00B14	CONTROL 10KOHMB
			R5079	ERJ8GICYJ223	M 22KOHM, J, 1/8W
R5011	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W			
R5012	ERDS1FJ152	C 1.5KOHM, J, 1/2W	R5080	ERJ8GICYJ681	M 680OHM, J, 1/8W
R5013	ERJ8GICYJ102	M 1KOHM, J, 1/8W	△ R5081	ERF2AK6R8	W 6.8OHM, K, 2W
R5014	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W	R5082	ERDS1FJ152	C 1.5KOHM, J, 1/2W
R5015	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W	R5083	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
			R5084	ERJ8GICYJ183	M 18KOHM, J, 1/8W
R5016	ERJ8GICYJ561	M 560OHM, J, 1/8W			
R5017	EVN38CA00B23	CONTROL 2KOHMB	R5085	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R5018	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R5086	ERG1SJ183P	M 18KOHM, J, 1W
R5019	EVN38CA00B14	CONTROL 10KOHMB	R5087	ERJ8GICYJ221	M 220OHM, J, 1/8W
R5020	ERJ8GICYJ561	M 560OHM, J, 1/8W	R5088	ERDS1TJ182	C 1.8OHM, J, 1/2W
			R5089	ERG3SJ682H	M 6.8KOHM, J, 3W
R5021	EVN38CA00B23	CONTROL 2KOHMB	△ R5090	ERQ1CJP1ROS	F 1OHM, J, 1W
R5022	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R5091	ERX3SJ2R7H	M 2.7OHM, J, 3W
R5023	EVN38CA00B14	CONTROL 10KOHMB	R5092	ERDS1TJ224	C 220KOHM, J, 1/2W
R5025	EVN38CA00B24	CONTROL 20KOHMB	R5093	ERDS1TJ224	C 220KOHM, J, 1/2W
R5026	ERJ8GICYJ273	M 27KOHM, J, 1/8W			
R5027	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W	R5094	ERDS1TJ224	C 220KOHM, J, 1/2W
R5028	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R5097	ERDS1TJ823	C 82KOHM, J, 1/2W
R5029	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R5098	ERG2SJ822H	M 8.2KOHM, J, 2W
R5030	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R5099	ERDS1FJ331	C 330OHM, J, 1/2W
R5031	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R5100	ERDS1TJ823	C 82KOHM, J, 1/2W
R5032	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R5101	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R5033	ERJ8GICYJ101	M 100OHM, J, 1/8W	R5102	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R5034	ERJ8GICYJ101	M 100OHM, J, 1/8W	R5103	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R5035	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R5104	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5036	ERJ8GICYJ683	M 68KOHM, J, 1/8W	R5105	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R5037	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R5106	ERJ8GICYJ101	M 100OHM, J, 1/8W
R5038	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R5107	ERG2SJ271H	M 270OHM, J, 2W
R5039	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R5108	ERG2SJ271H	M 270OHM, J, 2W
R5040	ERJ8GICYJ100	M 100OHM, J, 1/8W	R5109	ERJ8GICYJ102	M 1KOHM, J, 1/8W
			R5110	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R5041	ERJ8GICYJ681	M 680OHM, J, 1/8W			
R5043	ERJ8GICYJ104	M 100KOHM, J, 1/8W	R5111	ERJ8GICYJ183	M 18KOHM, J, 1/8W
R5044	ERJ8GICYJ101	M 100OHM, J, 1/8W	R5112	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R5050	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W	R5113	ERDS1TJ222	C 2.2KOHM, J, 1/2W
R5051	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R5114	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
			R5115	ERJ8GICYJ101	M 100OHM, J, 1/8W
R5052	ERJ8GICYJ123	M 12KOHM, J, 1/8W			
R5053	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R5116	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R5054	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R5117	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R5055	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R5118	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R5056	ERG1SJ122P	M 1.2KOHM, J, 1W	R5119	ERJ8GICYJ183	M 18KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R5120	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R5176	ERQ1CJP5R6S	F 5.6OHM, J, 1W
R5121	EVN38CA00B34	CONTROL 30KOHMB	R5178	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5122	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R5501	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5123	EVN38CA00B34	CONTROL 30KOHMB	R5502	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5124	ERJ8GCVJ682	M 6.8KOHM, J, 1/8W	R5503	ERJ8GCVJ682	M 6.8KOHM, J, 1/8W
R5125	ERJ8GCVJ104	M 100KOHM, J, 1/8W	R5504	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R5126	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W	R5505	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5127	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W	R5506	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5128	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R5507	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5129	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R5508	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5130	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R5509	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R5131	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5510	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5132	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R5511	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5133	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R5512	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R5134	ERDS1TJ823	C 82KOHM, J, 1/2W	R5513	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5135	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5514	ERJ8GCVJ271	M 270OHM, J, 1/8W
R5136	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R5515	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5137	ERJ8GCVJ183	M 18KOHM, J, 1/8W	R5516	ERJ8GCVJ564	M 560KOHM, J, 1/8W
R5138	ERJ8GCVJ681	M 680OHM, J, 1/8W	R5517	ERJ8GCVJ125	C 1.2MOHM, J, 1/8W
R5139	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R5518	ERJ8GCVJ334	M 330KOHM, J, 1/8W
R5140	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R5519	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R5141	ERJ8GCVJ183	M 18KOHM, J, 1/8W	R5520	EVN38CA00B24	CONTROL 20KOHMB
R5142	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R5521	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5143	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R5522	EVN38CA00B24	CONTROL 20KOHMB
R5144	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5523	ERJ8GCVJ183	M 18KOHM, J, 1/8W
R5145	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R5524	EVN38CA00B54	CONTROL 50KOHMB
R5146	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5525	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5147	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5526	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5148	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5527	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5149	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R5528	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5150	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R5529	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5151	ERDS2TJ681	C 680OHM, J, 1/4W	R5530	ERJ8GCVJ822	M 8.2KOHM, J, 1/8W
R5152	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5531	ERJ8GCVJ393	M 39KOHM, J, 1/8W
R5153	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R5533	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R5154	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R5534	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R5155	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R5535	ERJ8GCVJ220	M 22OHM, J, 1/8W
R5156	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R5536	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W
R5157	ERJ8GCVJ153	M 15KOHM, J, 1/8W	R5537	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W
R5158	EVN38CA00B24	CONTROL 20KOHMB	R5538	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R5159	ERDS1TJ152	C 1.5KOHM, J, 1/2W	R5539	ERJ8GCVJ331	M 330OHM, J, 1/8W
R5160	ERJ8GCVJ392	M 3.9KOHM, J, 1/8W	R5540	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R5161	ERJ8GCVJ183	M 18KOHM, J, 1/8W	R5541	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5162	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5542	ERJ8GCVJ101	M 100OHM, J, 1/8W
R5163	ERJ8GCVJ392	M 3.9KOHM, J, 1/8W	R5543	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R5164	ERG25J390H	M 39OHM, J, 2W	R5544	ERJ8GCVJ122	M 1.2KOHM, J, 1/8W
R5165	ERD25FJ100	C 10OHM, J, 1/4W	R5545	ERD25FJ821	C 820OHM, J, 1/4W
R5166	ERJ8GCVJ101	M 100OHM, J, 1/8W	R5546	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5167	ERQ2ABJP120S	F 12OHM, 2W	R5547	ERJ8GCVJ682	M 6.8KOHM, J, 1/8W
R5168	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R5548	ERDS1FJ821	C 820OHM, J, 1/2W
R5169	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R5549	ERJ8GCVJ394	M 390KOHM, J, 1/8W
R5170	ERJ8GCVJ682	M 6.8KOHM, J, 1/8W	R5550	EVN38CA00B53	CONTROL 5KOHMB
R5171	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R5551	ERJ8GCVJ392	M 3.9KOHM, J, 1/8W
R5172	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R5552	ERJ8GCVJ182	M 1.8KOHM, J, 1/8W
R5173	ERX1SJ68P	M 0.68OHM, 1W	R5553	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5174	ERJ8GCVJ151	M 150OHM, J, 1/8W	R5554	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R5175	ERJ8GCVJ333	M 33KOHM, J, 1/8W	R5555	ERJ8GCVJ104	M 100KOHM, J, 1/8W
R5175	ERTD2FFL601S	THERMISTOR 600OHM	R5556	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R5176	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R5557	ERX1SJ3R3P	M 3.3OHM, J, 1W
			R5558	ERJ8GCVJ103	M 10KOHM, J, 1/8W
			R5559	ERDS1TJ271	C 270OHM, J, 1/2W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R5560	ERG2SJ472H	M 4.7KOHM, J, 2W	R5621	ERDS2TJ104	C 100KOHM, J, 1/4W
R5561	ERG2SJ682H	M 6.8KOHM, J, 2W	R5622	ERDS2TJ223	C 22KOHM, J, 1/4W
R5562	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R5623	ERDS2TJ562	C 5.6KOHM, J, 1/4W
R5563	ERDS1TJ3R3	C 3.3KOHM, J, 1/2W	R5624	ERDS2TJ101	C 100OHM, J, 1/4W
R5564	ERQ3CJ680	F 68OHM, J, 3W	R5625	ERDS2TJ560	C 56OHM, J, 1/4W
R5565	ERDS1TJ3R3	C 3.3KOHM, J, 1/2W	R5626	ERDS2TJ560	C 56OHM, J, 1/4W
R5566	ERDS1TJ3R3	C 3.3KOHM, J, 1/2W	R5627	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W
R5567	ERDS1TJ223	C 22KOHM, J, 1/2W	R5628	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R5568	ERG1SJ102P	M 1KOHM, J, 1W	R5629	ERJ8GICYJ471	M 470OHM, J, 1/8W
R5569	ERDS1FJ1R0	C 1OHM, J, 1/2W	R5630	ERJ8GICYJ560	M 56OHM, J, 1/8W
R5570	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R5631	ERJ8GICYJ560	M 56OHM, J, 1/8W
R5571	ERJ8GICYJ183	M 18KOHM, J, 1/8W	R5632	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R5572	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R5633	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R5573	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R5634	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R5574	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R5635	ERJ8GICYJ101	M 100OHM, J, 1/8W
R5575	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6001	ERJ8GICYJ101	M 100OHM, J, 1/8W
R5576	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6002	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5577	EVN38CA00B24	CONTROL 20KOHMB	R6004	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R5578	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R6005	ERDS1TJ122	C 1.2KOHM, J, 1/2W
R5579	ERJ8GICYJ123	M 12KOHM, J, 1/8W	R6006	ERJ8GICYJ5R6	M 5.6OHM, J, 1/8W
R5580	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R6007	ERDS1TJ224	C 220KOHM, J, 1/2W
R5581	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R6008	ERDS1TJ224	C 220KOHM, J, 1/2W
R5582	ERJ8GICYJ223	M 22KOHM, J, 1/8W	R6009	ERC12GK335	S 3.3MOHM, K, 1/2W
R5583	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R6010	ERC12GK335	S 3.3MOHM, K, 1/2W
R5584	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R6011	ERC12GK335	S 3.3MOHM, K, 1/2W
R5585	ERJ8GICYJ123	M 12KOHM, J, 1/8W	R6012	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R5586	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R6013	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R5587	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R6014	ERJ8GICYJ682	M 6.8KOHM, J, 1/8W
R5588	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R6015	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R5589	ERJ8GICYJ122	M 1.2KOHM, J, 1/8W	R6016	ERDS1TJ224	C 220KOHM, J, 1/2W
R5590	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R6017	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R5591	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6018	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5593	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R6019	ERJ8GICYJ104	M 100KOHM, J, 1/8W
R5594	ERJ8GICYJ393	M 39KOHM, J, 1/8W	R6020	ERD25TJ104	C 100KOHM, J, 1/4W
R5595	EVN38CA00B23	CONTROL 20KOHMB	R6021	EVN32CA00B53	CONTROL 5KOHMB
R5596	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R6022	ERD25TJ103	C 10KOHM, J, 1/4W
R5597	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R6024	ERJ8GICYJ273	M 27KOHM, J, 1/8W
R5598	ERDS1FJ102	C 1KOHM, J, 1/2W	R6025	ERJ8GICYJ824	M 820KOHM, J, 1/8W
R5600	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6026	ERO25CKF2702	M 27KOHM, F, 1/4W
R5601	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6027	ERO25CKF1002	M 10KOHM, F, 1/4W
R5602	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6029	ERO25CKF2702	M 27KOHM, F, 1/4W
R5603	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6031	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R5604	ERJ8GICYJ101	M 100OHM, J, 1/8W	R6032	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R5605	ERJ8GICYJ151	M 150OHM, J, 1/8W	R6033	ERJ8GICYJ473	M 47KOHM, J, 1/8W
R5606	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R6034	ERO25CKF1001	M 1KOHM, F, 1/4W
R5607	ERDS2TJ332	C 3.3KOHM, J, 1/4W	R6036	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R5608	ERDS2TJ272	C 2.7KOHM, J, 1/4W	R6037	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R5609	ERDS2TJ472	C 4.7KOHM, J, 1/4W	R6038	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R5610	ERDS2TJ472	C 4.7KOHM, J, 1/4W	R6040	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R5611	ERDS2TJ102	C 1KOHM, J, 1/4W	R6041	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5612	ERDS2TJ122	C 1.2KOHM, J, 1/4W	R6042	ERJ8GICYJ221	M 220OHM, J, 1/8W
R5613	ERDS2TJ123	C 12KOHM, J, 1/4W	R6043	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5614	ERDS2TJ102	C 1KOHM, J, 1/4W	R6044	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5615	ERDS2TJ473	C 47KOHM, J, 1/4W	R6045	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5616	ERDS2TJ102	C 1KOHM, J, 1/4W	R6048	ERD25TJ472	C 4.7KOHM, J, 1/4W
R5617	ERDS2TJ394	C 390KOHM, J, 1/4W	R6049	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R5618	ERDS2TJ822	C 8.2KOHM, J, 1/4W	R6050	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5619	ERDS2TJ470	C 47OHM, J, 1/4W	R6051	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R5620	ERDS2TJ273	C 27KOHM, J, 1/4W	R6052	ERJ8GICYJ103	M 10KOHM, J, 1/8W

	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
	R6053	ERJ8GICYJ103	M 10KOHM, J, 1/8W		R6157	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6054	ERO25CKF1002	M 10KOHM, F, 1/4W		R6158	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6055	ERO25CKF1302	M 13KOHM, F, 1/4W		R6159	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6056	ERD25TJ274	C 270KOHM, J, 1/4W		R6160	ERJ8GICYJ103	M 10KOHM, J, 1/8W
					R6161	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
△	R6059	ERF5ZK2R2	W 2.20HM, K, 5W		R6162	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6064	ERJ8GICYJ102	M 1KOHM, J, 1/8W		R6163	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
	R6065	ERJ8GICYJ101	M 100OHM, J, 1/8W		R6164	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6066	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W		R6165	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
△	R6067	ERJ8GICYJ561	M 560OHM, J, 1/8W		R6166	ERJ8GICYJ153	M 15KOHM, J, 1/8W
	R6068	ERJ8GICYJ333	M 33KOHM, J, 1/8W		R6167	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6069	ERJ8GICYJ474	M 470KOHM, J, 1/8W		R6168	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6070	ERD25TJ823	C 82KOHM, J, 1/4W		R6169	ERJ8GICYJ221	M 220OHM, J, 1/8W
△	R6071	EVN32CA00B53	CONTROL 5KOHMB		R6170	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6072	ERD25TJ332	C 3.3KOHM, J, 1/4W		R6171	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6073	ERG2SJ393	M 39KOHM, J, 2W		R6172	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6074	ERDS1TJ122	C 1.2KOHM, J, 1/2W		R6173	ERJ8GICYJ221	M 220OHM, J, 1/8W
△	R6075	ERDS1TJ152	C 1.5KOHM, J, 1/2W		R6174	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6076	ERDS1TJ561	C 560OHM, J, 1/2W		R6175	ERJ8GICYJ102	M 1KOHM, J, 1/8W
	R6077	ERF2AKR47	W 0.47OHM, K, 2W		R6176	ERJ8GICYJ153	M 15KOHM, J, 1/8W
	R6078	ERF2AKR47	W 0.47OHM, K, 2W		R6177	ERJ8GICYJ153	M 15KOHM, J, 1/8W
	R6079	ERDS1FJ221	C 220OHM, J, 1/2W		R6178	ERJ8GICYJ223	M 22KOHM, J, 1/8W
	R6081	ERF2AKR27	W 0.27OHM, K, 2W		R6179	ERJ8GICYJ223	M 22KOHM, J, 1/8W
	R6093	ERJ8GICYJ823	M 82KOHM, J, 1/8W		R6180	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6094	ERJ8GICYJ104	M 100KOHM, J, 1/8W		R6181	ERO25CKF1403	M 140KOHM, F, 1/4W
△	R6099	ERJ8GICYJ153	M 15KOHM, J, 1/8W		R6182	ERO25CKF1502	M 15KOHM, F, 1/4W
△	R6100	ERJ8GICYJ563	M 56KOHM, J, 1/8W		R6183	ERO25CKF4701	M 4.7KOHM, F, 1/4W
△	R6104	ERJ8GICYJ393	M 39KOHM, J, 1/8W		R6184	ERO25CKF8201	M 8.2KOHM, F, 1/4W
△	R6105	EVN32CA00B14	CONTROL 10KOHMB		R6185	ERJ8GICYJ683	M 68KOHM, J, 1/8W
△	R6106	ERJ8GICYJ223	M 22KOHM, J, 1/8W		R6186	ERDS1TJ683	C 68KOHM, J, 1/2W
△	R6107	ERJ8GICYJ123	M 12KOHM, J, 1/8W		R6187	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6108	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W		R6188	ERJ8GICYJ223	M 22KOHM, J, 1/8W
△	R6109	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W		R6189	ERJ8GICYJ153	M 15KOHM, J, 1/8W
△	R6110	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W		R6190	ERJ8GICYJ153	M 15KOHM, J, 1/8W
	R6111	ERJ8GICYJ102	M 1KOHM, J, 1/8W				
	R6121	ERDS1FJ103	C 10KOHM, J, 1/2W		R6191	ERJ8GICYJ153	M 15KOHM, J, 1/8W
	R6122	ERDS1FJ101	C 100OHM, J, 1/2W		R6192	ERJ8GICYJ273	M 27KOHM, J, 1/8W
△	R6123	ERJ8GICYJ101	M 100OHM, J, 1/8W		R6193	ERJ8GICYJ273	M 27KOHM, J, 1/8W
	R6125	ERJ8GICYJ334	M 330KOHM, J, 1/8W		R6194	ERJ8GICYJ273	M 27KOHM, J, 1/8W
	R6126	ERJ8GICYJ223	M 22KOHM, J, 1/8W	△	R6201	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
	R6127	ERJ8GICYJ473	M 47KOHM, J, 1/8W	△	R6202	ERDS1FJ473	C 47KOHM, J, 1/2W
	R6128	ERJ8GICYJ124	M 120KOHM, J, 1/8W	△	R6203	EVN32CA00B14	CONTROL 10KOHMB
	R6129	ERQ2CJP4R75	F 4.7OHM, J, 2W	△	R6204	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6133	ERDS1TJ101	C 100OHM, J, 1/2W		R6205	ERJ8GICYJ103	M 10KOHM, J, 1/8W
△	R6134	ERDS1FJ221	C 220OHM, J, 1/2W		R6206	ERJ8GICYJ102	M 1KOHM, J, 1/8W
	R6137	ERJ8GICYJ103	M 10KOHM, J, 1/8W		R7001	ERQ2ABJP2R2S	F 2.2OHM, 2W
	R6138	ERD25TJ682	C 6.8KOHM, J, 1/4W		R7002	ERQ2ABJP2R2S	F 2.2OHM, 2W
	R6139	ERJ8GICYJ103	M 10KOHM, J, 1/8W		R7003	ERJ8GICYJ103	M 10KOHM, J, 1/8W
	R6140	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W		R7004	ERJ8GICYJ103	M 10KOHM, J, 1/8W
					R7005	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
	R6141	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W		R7006	ERJ8GICYJ102	M 1KOHM, J, 1/8W
	R6142	ERJ8GICYJ103	M 10KOHM, J, 1/8W		R7008	ERJ8GICYJ101	M 100OHM, J, 1/8W
	R6143	ERJ8GICYJ103	M 10KOHM, J, 1/8W		R7009	ERJ8GICYJ101	M 100OHM, J, 1/8W
	R6144	ERJ8GICYJ102	M 1KOHM, J, 1/8W		R7010	ERJ8GICYJ101	M 100OHM, J, 1/8W
	R6149	ERG3SJ561H	M 560OHM, J, 3W		R7011	ERJ8GICYJ101	M 100OHM, J, 1/8W
	R6150	ERDS1FJ5R6	C 5.6OHM, J, 1/2W		R7012	ERJ8GICYJ101	M 100OHM, J, 1/8W
	R6153	ERJ8GICYJ102	M 1KOHM, J, 1/8W		R7013	ERJ8GICYJ101	M 100OHM, J, 1/8W
	R6154	ERJ8GICYJ153	M 15KOHM, J, 1/8W		R7014	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
	R6155	ERJ8GICYJ153	M 15KOHM, J, 1/8W		R7015	ERJ8GICYJ223	M 22KOHM, J, 1/8W
	R6156	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W		R7016	ERDS1FJ470	C 47OHM, J, 1/2W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R7017	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7085	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7018	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7086	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7019	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7087	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R7020	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7088	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7021	ERJ8GCVJ101	M 1000HM, J, 1/8W			
R7022	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7089	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7023	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7090	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7024	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7091	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7025	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7092	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7026	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7093	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R7027	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7094	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7028	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7095	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7029	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7096	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7030	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7097	ERJ8GCVJ101	M 1000HM, J, 1/8W
R7031	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7098	ERJ8GCVJ101	M 1000HM, J, 1/8W
R7032	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7099	ERJ8GCVJ105	M 1MOHM, J, 1/8W
R7033	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7100	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R7034	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7101	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7035	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7102	ERJ8GCVJ273	M 27KOHM, J, 1/8W
			R7103	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7036	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7104	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7037	ERJ8GCVJ105	M 1MOHM, J, 1/8W	R7105	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7038	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7106	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W
R7039	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7107	ERJ8GCVJ912	M 9.1KOHM, J, 1/8W
R7040	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7108	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7041	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7109	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7042	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7110	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R7043	ERJ8GCVJ101	M 1000HM, J, 1/8W	R7111	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7044	ER025CKF1501	M 1.5KOHM, F, 1/4W	R7112	ERJ8GCVJ105	M 1MOHM, J, 1/8W
R7045	ER025CKF1502	M 15KOHM, F, 1/4W	R7113	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7046	ERJ8GCVJ561	M 5600HM, J, 1/8W	R7114	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7047	ER025CKF4701	M 4.7KOHM, F, 1/4W	R7115	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7048	ER025CKF9101	M 9.1KOHM, F, 1/4W	R7116	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7049	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7117	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7050	ERJ8GCVJ561	M 5600HM, J, 1/8W	R7118	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W
R7051	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R7119	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7052	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7120	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W
R7053	ER025CKF1003	M 100KOHM, F, 1/4W	R7121	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7054	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7123	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7055	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7124	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7056	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7125	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7057	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R7126	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R7058	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R7127	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R7059	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7128	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W
R7060	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R7129	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7061	ERJ8GCVJ153	M 15KOHM, J, 1/8W	R7130	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7062	ERJ8GCVJ153	M 15KOHM, J, 1/8W	R7131	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7065	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R7132	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7066	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R7133	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7067	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R7135	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7068	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7136	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7069	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7137	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R7070	ERDS1FJ1R0	C 1OHM, J, 1/2W	R7138	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W
R7071	ERDS1FJ1R0	C 1OHM, J, 1/2W	R7139	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R7072	ERDS1FJ1R0	C 1OHM, J, 1/2W			
R7073	ERDS1FJ1R0	C 1OHM, J, 1/2W	R7140	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7081	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7141	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7082	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R7142	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7083	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7143	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7084	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R7144	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
			R7145	ERJ8GCVJ273	M 27KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R7146	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7233	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7147	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R7234	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7148	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7235	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7149	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7236	ERJ8GCVJ103	M 10KOHM, J, 1/8W
			R7237	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7151	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7251	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7152	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7252	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7153	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7253	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7154	ERJ8GCVJ123	M 12KOHM, J, 1/8W	R7254	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7155	ERJ8GCVJ123	M 12KOHM, J, 1/8W	R7255	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R7156	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W	R7256	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7157	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7257	ERJ8GCVJ105	M 1MOHM, J, 1/8W
R7158	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R7258	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7159	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7259	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7160	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W	R7260	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7161	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W	R7261	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7162	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7262	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7163	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R7263	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7164	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W	R7264	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7165	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7265	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7166	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7266	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7167	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7267	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7181	ERJ8GCVJ101	M 100OHM, J, 1/8W	R7268	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7182	ERJ8GCVJ101	M 100OHM, J, 1/8W	R7269	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7183	ERJ8GCVJ101	M 100OHM, J, 1/8W	R7270	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7184	ERJ8GCVJ101	M 100OHM, J, 1/8W	R7271	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7185	ERJ8GCVJ101	M 100OHM, J, 1/8W	R7272	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7186	ERJ8GCVJ101	M 100OHM, J, 1/8W	R7273	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7201	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7275	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7202	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7276	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7203	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7277	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7204	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R7278	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R7205	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R7279	ERJ8GCVJ123	M 12KOHM, J, 1/8W
R7206	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7280	ERJ8GCVJ752	M 7.5KOHM, J, 1/8W
R7207	ERJ8GCVJ105	M 1MOHM, J, 1/8W	R7281	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W
R7208	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7282	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7209	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7283	ERJ8GCVJ273	M 27KOHM, J, 1/8W
R7210	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7284	ERJ8GCVJ223	M 22KOHM, J, 1/8W
R7211	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7285	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7212	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7286	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7213	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R7287	ERJ8GCVJ103	M 10KOHM, J, 1/8W
R7214	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7301	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7215	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7302	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R7216	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7303	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W
R7217	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R7305	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7218	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7306	EVND4AA00B24	CONTROL 20KOHMB
R7219	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7307	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7220	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7308	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7221	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R7309	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R7222	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7310	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7223	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7311	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7225	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R7312	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W
R7226	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7313	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7227	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7314	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W
R7228	ERJ8GCVJ123	M 12KOHM, J, 1/8W	R7317	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7229	ERJ8GCVJ392	M 3.9KOHM, J, 1/8W	R7318	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W
R7230	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R7319	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W
R7231	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	R7320	ERJ8GCVJ102	M 1KOHM, J, 1/8W
R7232	ERJ8GCVJ273	M 27KOHM, J, 1/8W	R7321	ERJ8GCVJ272	M 2.7KOHM, J, 1/8W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R7322	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7406	ERDS1FJ1R0	C 10HM, J, 1/2W
R7323	EVND4H00RB24	CONTROL 20KOHMB	R7407	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7325	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7408	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7326	EVND4H00RB24	CONTROL 20KOHMB	R7409	ERQ2CJP5R6S	F 5.6OHM, J, 2W
R7327	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R7410	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7328	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7411	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7329	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R7412	ERQ2CJP5R6S	F 5.6OHM, J, 2W
R7330	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R7413	ERDS1FJ820	C 82OHM, J, 1/2W
R7333	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R7414	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7334	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R7415	ERDS1FJ1R0	C 10HM, J, 1/2W
R7335	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R7416	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7336	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R7417	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7337	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R7418	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7338	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7419	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7339	EVND4H00BB24	CONTROL 20KOHMB	R7420	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7340	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7421	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7341	EVND4H00BB24	CONTROL 20KOHMB	R7422	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7342	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R7423	ERDS1FJ820	C 82OHM, J, 1/2W
R7343	ERJ8GICYJ333	M 33KOHM, J, 1/8W	R7424	ERDS1FJ1R0	C 10HM, J, 1/2W
R7344	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R7425	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7345	ERJ8GICYJ333	M 33KOHM, J, 1/8W	R7426	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7346	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R7427	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7347	ERJ8GICYJ333	M 33KOHM, J, 1/8W	R7428	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7348	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7429	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7349	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7430	ERQ2CJP5R6S	F 5.6OHM, J, 2W
R7350	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7431	ERDS1FJ820	C 82OHM, J, 1/2W
R7351	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7432	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7352	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7433	ERDS1FJ1R0	C 10HM, J, 1/2W
R7353	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R7435	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7361	ERJ8GICYJ101	M 100OHM, J, 1/8W	R7436	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7362	ERJ8GICYJ101	M 100OHM, J, 1/8W	R7437	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R7363	ERJ8GICYJ101	M 100OHM, J, 1/8W	R7438	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7364	ERJ8GICYJ101	M 100OHM, J, 1/8W	R7440	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7365	ERJ8GICYJ101	M 100OHM, J, 1/8W	R7441	ERDS1FJ681	C 680OHM, J, 1/2W
R7366	ERJ8GICYJ101	M 100OHM, J, 1/8W	R7442	ERDS1FJ1R0	C 10HM, J, 1/2W
R7371	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R7443	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7372	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7444	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7377	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7445	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7378	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7446	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7379	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7447	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7380	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7448	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7381	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R7449	ERDS1FJ681	C 680OHM, J, 1/2W
R7382	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7450	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7383	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7451	ERDS1FJ1R0	C 10HM, J, 1/2W
R7384	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7452	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7385	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W	R7453	ERJ8GICYJ182	M 1.8KOHM, J, 1/8W
R7387	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7455	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7388	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7456	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7389	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7457	ERJ8GICYJ121	M 120OHM, J, 1/8W
R7390	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7458	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R7391	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7459	ERDS1FJ820	C 82OHM, J, 1/2W
R7392	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7460	ERDS1FJ1R0	C 10HM, J, 1/2W
R7393	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7461	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7394	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R7462	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7401	ERJ8GICYJ121	M 120OHM, J, 1/8W	R7463	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7402	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R7464	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7403	ERJ8GICYJ121	M 120OHM, J, 1/8W	R7465	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R7404	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R7466	ERQ2CJP5R6S	F 5.6OHM, J, 2W
R7405	ERDS1FJ820	C 82OHM, J, 1/2W	R7467	ERDS1FJ820	C 82OHM, J, 1/2W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R7468	ERJ8GCVJ102	M 1KOHM, J, 1/8W	△ R9002	ERF20ZK3R3	W 3.30HM, 20W
R7469	ERDS1FJ1R0	C 10HM, J, 1/2W	△ R9003	ERF20ZK3R3	W 3.30HM, 20W
R7470	ERJ8GCVJ121	M 120OHM, J, 1/8W	△ R9004	ERC12ZGK105	S 1MOHM, K, 1/2W
R7471	ERJ8GCVJ102	M 1KOHM, J, 1/8W			
R7472	ERJ8GCVJ121	M 120OHM, J, 1/8W	R9005	ERG3SJ273H	M 27KOHM, J, 3W
R7491	ERX2ANJ1R5		R9006	ERG3SJ273H	M 27KOHM, J, 3W
R8001	ERJ8GCVJ473	M 47KOHM, J, 1/8W	△ R9051	ERF2AJ101	W 100OHM, J, 2W
R8002	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R9052	ERDS1TJ104	C 100KOHM, J, 1/2W
			R9053	ERDS2TJ102	C 1KOHM, J, 1/4W
R8003	ERG2SJ330H	M 33OHM, J, 2W			
R8004	ERJ8GCVJ473	M 47KOHM, J, 1/8W	R9054	ERDS1TJ334	C 330KOHM, J, 1/2W
R8005	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R9055	ERDS1TJ181	C 180OHM, J, 1/2W
R8006	ERG2SJ330H	M 33OHM, J, 2W	R9056	ERDS2TJ6R8	C 6.8OHM, J, 1/4W
			R9058	ERDS2TJ222	C 2.2KOHM, J, 1/4W
			R9059	ERDS2TJ123	C 12KOHM, J, 1/4W
R8007	ERJ8GCVJ473	M 47KOHM, J, 1/8W			
R8008	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R9060	ERDS2TJ152	C 1.5KOHM, J, 1/4W
R8009	ERG2SJ330H	M 33OHM, J, 2W	R9061	ERDS2TJ102	C 1KOHM, J, 1/4W
R8010	EVND4AA00B15	CONTROL 100KOHMB	R9062	ERDS2TJ273	C 27KOHM, J, 1/4W
R8011	EVND4AA00B15	CONTROL 100KOHMB	R9063	ERDS2TJ393	C 39KOHM, J, 1/4W
			R9064	ERDS2TJ393	C 39KOHM, J, 1/4W
R8012	EVND4AA00B15	CONTROL 100KOHMB			
R8013	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9065	ERDS1FJ121	C 120OHM, J, 1/2W
R8014	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9066	ERDS2TJ682	C 6.8KOHM, J, 1/4W
R8015	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9067	ERDS2TJ393	C 39KOHM, J, 1/4W
R8016	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R9068	ERDS2TJ392	C 3.9KOHM, J, 1/4W
			R9069	ERDS2TJ223	C 22KOHM, J, 1/4W
R8041	ERJ8GCVJ333	M 33KOHM, J, 1/8W			
R8042	ERJ8GCVJ333	M 33KOHM, J, 1/8W	R9070	ERDS2TJ101	C 100OHM, J, 1/4W
R8043	ERJ8GCVJ333	M 33KOHM, J, 1/8W	R9071	ERDS2TJ472	C 4.7KOHM, J, 1/4W
R8044	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R9073	ERDS2TJ102	C 1KOHM, J, 1/4W
R8045	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R9074	ERDS2TJ562	C 5.6KOHM, J, 1/4W
			R9075	ERDS1FJ121	C 120OHM, J, 1/2W
R8046	ERDS1TJ392	C 3.9KOHM, J, 1/2W			
R8047	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9076	ERDS1FJ121	C 120OHM, J, 1/2W
R8048	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9077	ERDS2TJ101	C 100OHM, J, 1/4W
R8049	ERDS1TJ102	C 1KOHM, J, 1/2W	R9078	ERDS2TJ102	C 1KOHM, J, 1/4W
R8050	ERJ8GCVJ222	M 2.2KOHM, J, 1/8W	R9079	ERDS2TJ152	C 1.5KOHM, J, 1/4W
			R9091	ERDS2TJ562	C 5.6KOHM, J, 1/4W
R8051	ERDS1TJ104	C 100KOHM, J, 1/2W			
R8071	ERG5SJ153H	M 15KOHM, J, 5W	R9101	ERG2SJ333H	M 33KOHM, J, 2W
R8072	ERG5SJ153H	M 15KOHM, J, 5W	R9102	ERG2SJ333H	M 33KOHM, J, 2W
R8073	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R9103	ERF2AKR68	W 0.68OHM, J, 2W
R8074	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	R9104	ERDS2TJ101	C 100OHM, J, 1/4W
			R9105	ERDS2TJ4R7	C 4.7OHM, J, 1/4W
R8075	ERJ8GCVJ103	M 10KOHM, J, 1/8W			
R8076	ERJ8GCVJ472	M 4.7KOHM, J, 1/8W	△ R9106	ERD25FJ3R9	C 3.9OHM, J, 1/4W
R8077	ERJ8GCVJ562	M 5.6KOHM, J, 1/8W	R9107	ERD75TAJ825	C 8.2MOHM, J, 3/4W
R8078	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R9110	EVN32CA00B13	CONTROL 1KOHMB
R8079	ERDS1TJ224	C 220KOHM, J, 1/2W	R9151	ERDS2TJ561	C 560OHM, J, 1/4W
			R9152	ERDS2TJ681	C 680OHM, J, 1/4W
R8080	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9153	EROS2CKF4702	M 47KOHM, F, 1/4W
R8081	ERJ8GCVJ822	M 8.2KOHM, J, 1/8W	R9154	ERDS2TJ123	C 12KOHM, J, 1/4W
R8082	ERDS1TJ221	C 220OHM, J, 1/2W	R9155	ERD25FJ222	C 2.2KOHM, J, 1/4W
R8083	ERDS1TJ221	C 220OHM, J, 1/2W	R9156	ERD25FJ100	C 10OHM, J, 1/4W
R8084	ERDS1TJ221	C 220OHM, J, 1/2W			
			R9157	ERD25FJ101	C 100OHM, J, 1/4W
R8085	ERJ8GCVJ102	M 1KOHM, J, 1/8W	R9158	ERDS1TJ104	C 100KOHM, J, 1/2W
R8086	ERJ8GCVJ103	M 10KOHM, J, 1/8W	R9159	ERDS1TJ564	C 560KOHM, J, 1/2W
R8087	ERDS2TJ101	C 100OHM, J, 1/4W	R9201	ERG3SJ333H	M 33KOHM, J, 3W
R8088	ERDS2TJ101	C 100OHM, J, 1/4W	R9202	ERG3SJ333H	M 33KOHM, J, 3W
R8089	ERDS2TJ101	C 100OHM, J, 1/4W			
			R9203	ERF2AKR68	W 0.68OHM, J, 2W
R8090	ERDS2TJ101	C 100OHM, J, 1/4W	R9204	ERDS2TJ101	C 100OHM, J, 1/4W
R8091	ERDS2TJ101	C 100OHM, J, 1/4W	R9205	ERDS2TJ8R2	C 8.2OHM, J, 1/4W
R8092	ERDS2TJ101	C 100OHM, J, 1/4W	R9206	ERD25FJ8R2	C 8.2OHM, J, 1/4W
R8093	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R9207	ERDS2TJ103	C 10KOHM, J, 1/4W
R8094	EVN38CA00B14	CONTROL 10KOHMB	R9208	ERDS2TJ682	C 6.8KOHM, J, 1/4W
R8095	ERJ8GCVJ223	M 22KOHM, J, 1/8W	R9209	ERDS2TJ101	C 100OHM, J, 1/4W

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R9213	EVN32CA00B13	CONTROL 1KOHMB	R9429	ERJ8GICYJ271	M 270OHM, J, 1/8W
R9251	ERDS2TJ561	C 560OHM, J, 1/4W	R9430	ERTD2FFL601S	THERMISTER 600OHM
R9252	ERDS2TJ681	C 680OHM, J, 1/4W	R9431	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R9253	EROS2CKF4421	M4.42KOHM, F, 1/4W	R9432	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R9254	ERDS2TJ101	C 100OHM, J, 1/4W	R9433	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R9255	ERDS2TJ222	C 2.2KOHM, J, 1/4W	R9434	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R9256	ERDS1TJ821	C 820OHM, J, 1/2W	R9501	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R9257	ERDS2TJ821	C 820OHM, J, 1/4W	R9502	ERJ8GICYJ104	M 100KOHM, J, 1/8W
△ R9258	ERQ1CKPR47S	F 0.47OHM, K, 1W	R9503	ERJ8GICYJ823	M 82KOHM, J, 1/8W
△ R9259	ERQ2CKPR47S	F 0.47OHM, K, 2W	R9504	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R9260	ERQ2CKPR47S	F 0.47OHM, K, 2W	R9505	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R9261	ERQ1CKPR33S	F 0.33OHM, K, 1W	R9506	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R9262	ERQ2CKPR47S	F 0.47OHM, K, 2W	R9507	ERJ8GICYJ390	M 39OHM, J, 1/8W
R9263	ERQ1CKPR33S	F 0.33OHM, K, 1W	R9508	ERJ8GICYJ102	M 1KOHM, J, 1/8W
△ R9264	ERQ1CKPR47S	F 0.47OHM, K, 1W	R9509	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R9301	ERG2ANJ333		R9510	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R9302	ERG2ANJ333		R9512	ERO25CKF1102	M 11KOHM, F, 1/4W
R9303	ERF2AKR68	W 0.68OHM, J, 2W	R9513	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R9304	ERDS2TJ101	C 100OHM, J, 1/4W	R9514	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R9305	ERD25FJ8R2	C 8.2OHM, J, 1/4W	R9516	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R9351	ERDS2TJ561	C 560OHM, J, 1/4W	R9517	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R9352	ERDS2TJ681	C 680OHM, J, 1/4W	R9518	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R9353	ERDS2TJ822	C 8.2KOHM, J, 1/4W	R9519	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R9354	EROS2CKF4702	M 47KOHM, F, 1/4W	R9520	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R9355	ERDS2TJ222	C 2.2KOHM, J, 1/4W	R9522	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R9356	EVN32CA00B13	CONTROL 1KOHMB	R9523	ERJ8GICYJ104	M 100KOHM, J, 1/8W
R9357	ERQ12HKR22	F 0.22OHM, K, 1/2W	R9524	ERJ8GICYJ391	M 390OHM, J, 1/8W
R9358	ERQ12HKR22	F 0.22OHM, K, 1/2W	R9525	ERJ8GICYJ470	M 47OHM, J, 1/8W
R9359	ERQ12HKR22	F 0.22OHM, K, 1/2W	R9526	ERG1SJ101P	M 100OHM, J, 1W
R9360	ERQ12HKR22	F 0.22OHM, K, 1/2W	R9526	ERG1SJ101P	M 100OHM, J, 1W
R9361	ERG1SJ682P	M 6.8KOHM, J, 1W	R9527	ERJ8GICYJ100	M 10OHM, J, 1/8W
△ R9362	ERQ12HKR56	F 0.56OHM, K, 1/2W	R9528	ERDS1TJ471	C 470OHM, J, 1/2W
R9363	ERDS1TJ682	C 6.8KOHM, J, 1/2W	R9529	ERJ8GICYJ271	M 270OHM, J, 1/8W
R9364	ERDS1TJ682	C 6.8KOHM, J, 1/2W	R9530	ERTD2FFL601S	THERMISTER 600OHM
R9401	ERJ8GICYJ393	M 39KOHM, J, 1/8W	R9531	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R9402	ERJ8GICYJ104	M 100KOHM, J, 1/8W	R9532	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R9403	ERJ8GICYJ823	M 82KOHM, J, 1/8W	R9533	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R9404	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R9534	ERJ8GICYJ152	M 1.5KOHM, J, 1/8W
R9405	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W	R9601	ERJ8GICYJ393	M 39KOHM, J, 1/8W
R9406	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W	R9602	ERJ8GICYJ104	M 100KOHM, J, 1/8W
R9407	ERJ8GICYJ390	M 39OHM, J, 1/8W	R9603	ERJ8GICYJ823	M 82KOHM, J, 1/8W
R9408	ERJ8GICYJ102	M 1KOHM, J, 1/8W	R9604	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R9409	ERJ8GICYJ103	M 10KOHM, J, 1/8W	R9605	ERJ8GICYJ332	M 3.3KOHM, J, 1/8W
R9410	ERJ8GICYJ153	M 15KOHM, J, 1/8W	R9606	ERJ8GICYJ822	M 8.2KOHM, J, 1/8W
R9412	ERO25CKF1102	M 11KOHM, F, 1/4W	R9607	ERJ8GICYJ390	M 39OHM, J, 1/8W
R9413	ERJ8GICYJ563	M 56KOHM, J, 1/8W	R9608	ERJ8GICYJ102	M 1KOHM, J, 1/8W
R9414	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R9609	ERJ8GICYJ103	M 10KOHM, J, 1/8W
R9416	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W	R9610	ERJ8GICYJ153	M 15KOHM, J, 1/8W
R9417	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R9612	ERO25CKF1102	M 11KOHM, F, 1/4W
R9418	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W	R9613	ERJ8GICYJ563	M 56KOHM, J, 1/8W
R9419	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W	R9614	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R9420	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W	R9616	ERJ8GICYJ272	M 2.7KOHM, J, 1/8W
R9422	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W	R9617	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R9423	ERJ8GICYJ104	M 100KOHM, J, 1/8W	R9618	ERJ8GICYJ222	M 2.2KOHM, J, 1/8W
R9424	ERJ8GICYJ391	M 390OHM, J, 1/8W	R9619	ERJ8GICYJ562	M 5.6KOHM, J, 1/8W
R9425	ERJ8GICYJ470	M 47OHM, J, 1/8W	R9620	ERJ8GICYJ392	M 3.9KOHM, J, 1/8W
R9426	ERG1SJ101P	M 100OHM, J, 1W	R9622	ERJ8GICYJ472	M 4.7KOHM, J, 1/8W
R9427	ERJ8GICYJ100	M 10OHM, J, 1/8W	R9623	ERJ8GICYJ104	M 100KOHM, J, 1/8W
R9428	ERDS1TJ471	C 470OHM, J, 1/2W			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R9624	ERJ8GCVJ391	M 3900HM, J, 1/8W	C2202	ECKF1H103ZF	C 0.01UF, Z, 50V
R9625	ERJ8GCVJ470	M 470HM, J, 1/8W	C2203	ECEA2EU4R7	E 4.7UF, 250V
R9627	ERJ8GCVJ100	M 100HM, J, 1/8W	C2205	ECCF1H820J	C 82PF, J, 50V
			C2210	ECKD2H561KB2	C 560PF, K, 500V
R9628	ERDS1TJ471	C 4700HM, J, 1/2W	C2215	ECKD3D222JBN	C 2200PF, J, 2KV
R9629	ERJ8GCVJ271	M 2700HM, J, 1/8W	C3301	ECUX1H103KBM	C 0.01UF, K, 50V
R9630	ERTD2FFL601S	THERMISTER 6000HM	C3302	ECEA1CN101S	E 100UF, 16V
R9631	ERJ8GCVJ332	M 3.3KOHM, J, 1/8W	C3303	ECQV1H394JZ	P 0.39UF, J, 50V
R9632	ERJ8GCVJ103	M 10KOHM, J, 1/8W	C3304	ECEA1HN010S	E 1UF, 50V
R9633	ERJ8GCVJ103	M 10KOHM, J, 1/8W	C3305	ECUX1H103KBM	C 0.01UF, K, 50V
R9634	ERJ8GCVJ152	M 1.5KOHM, J, 1/8W	C3306	ECEA1CU101	E 100UF, 16V
R9701	ERDS2TJ821	C 8200HM, J, 1/4W	C3307	ECUX1H150JCM	C 15PF, J, 50V
R9702	ERDS2TJ223	C 22KOHM, J, 1/4W	C3308	ECUX1H103KBM	C 0.01UF, K, 50V
R9703	ERDS2TJ183	C 18KOHM, J, 1/4W	C3309	ECUX1H103KBM	C 0.01UF, K, 50V
R9704	ERDS2TJ473	C 47KOHM, J, 1/4W	C3310	ECEA1CU101	E 100UF, 16V
R9705	ERDS2TJ473	C 47KOHM, J, 1/4W	C3311	ECUX1H103KBM	C 0.01UF, K, 50V
R9706	ERDS2TJ222	C 2.2KOHM, J, 1/4W	C3312	ECEA1CN101S	E 100UF, 16V
R9707	ERDS2TJ471	C 4700HM, J, 1/4W	C3313	ECUX1H103KBM	C 0.01UF, K, 50V
R9708	ERDS2TJ101	C 1000HM, J, 1/4W	C3314	ECEA1HU2R2	E 2.2UF, 50V
R9709	ERDS1TJ560	C 560HM, J, 1/2W	C3315	ECUX1H120JCM	C 12PF, J, 50V
R9710	ERDS2TJ271	C 2700HM, J, 1/4W	C3316	ECUX1H103KBM	C 0.01UF, K, 50V
R9711	ERDS2TJ333	C 33KOHM, J, 1/4W	C3317	ECEA1VU221	E 220UF, 35V
R9712	ERDS2TJ333	C 33KOHM, J, 1/4W	C3318	ECEA1CU330	E 33UF, 16V
R9713	ERDS2TJ122	C 1.2KOHM, J, 1/4W	C3319	ECEA1CU330	E 33UF, 16V
R9714	ERDS2TJ471	C 4700HM, J, 1/4W	C3320	ECEA1CN100S	E 10UF, 16V
R9715	ERDS2TJ101	C 1000HM, J, 1/4W	C3321	ECUX1H103KBM	C 0.01UF, K, 50V
R9751	ERD25FJ6R8	C 6.8OHM, J, 1/4W	C3322	ECEA1CN101S	E 100UF, 16V
R9752	ERDS2TJ181	C 1800HM, J, 1/4W	C3323	ECQV1H394JZ	P 0.39UF, J, 50V
R9753	ERD25FJ6R8	C 6.8OHM, J, 1/4W	C3324	ECEA1HN010S	E 1UF, 50V
R9754	ERDS2TJ561	C 5600HM, J, 1/4W	C3325	ECUX1H103KBM	C 0.01UF, K, 50V
R9755	ERDS2TJ122	C 1.2KOHM, J, 1/4W	C3327	ECUX1H150JCM	C 15PF, J, 50V
CAPACITORS			C3328	ECUX1H103KBM	C 0.01UF, K, 50V
C1001	ECEAOGK101	E 100UF, 4V	C3329	ECUX1H103KBM	C 0.01UF, K, 50V
C1002	ECUX1H471KBN	C 470PF, K, 50V	C3330	ECEA1CU101	E 100UF, 16V
C1003	ECUX1H471KBN	C 470PF, K, 50V	C3331	ECUX1H103KBM	C 0.01UF, K, 50V
C1048	ECEA1CU470	E 47UF, 16V	C3332	ECEA1CN101S	E 100UF, 16V
C1049	ECEA1HN010S	E 1UF, 50V	C3333	ECUX1H103KBM	C 0.01UF, K, 50V
C1050	ECEA1EU221	E 220UF, 25V	C3334	ECEA1HU2R2	E 2.2UF, 50V
C1051	ECEA1CN100S	E 10UF, 16V	C3335	ECUX1H120JCM	C 12PF, J, 50V
C1052	ECEA1EU100	E 10UF, 25V	C3336	ECUX1H103KBM	C 0.01UF, K, 50V
C1053	ECEA1HU2R2	E 2.2UF, 50V	C3337	ECEA1VU221	E 220UF, 35V
C1054	ECQB1H473JF	P 0.047UF, J, 50V	C3341	ECUX1H103KBM	C 0.01UF, K, 50V
C1055	ECEA1EU102	E 1000UF, 25V	C3342	ECEA1CN101S	E 100UF, 16V
C1056	ECEA1CU471	E 470UF, 16V	C3343	ECQV1H394JZ	P 0.39UF, J, 50V
C1111	ECEA1HFS470	E 47UF, 50V	C3344	ECEA1HN010S	E 1UF, 50V
C1121	ECEA1HFS470	E 47UF, 50V	C3345	ECUX1H103KBM	C 0.01UF, K, 50V
C2001	ECCF1H271J	C 270PF, J, 50V	C3347	ECUX1H150JCM	C 15PF, J, 50V
C2002	ECKF1H103ZF	C 0.01UF, Z, 50V	C3348	ECUX1H103KBM	C 0.01UF, K, 50V
C2003	ECEA2EU4R7	E 4.7UF, 250V	C3349	ECUX1H103KBM	C 0.01UF, K, 50V
C2004	ECEA1EU330	E 33UF, 25V	C3350	ECEA1CU101	E 100UF, 16V
C2005	ECCF1H820J	C 82PF, J, 50V	C3351	ECUX1H103KBM	C 0.01UF, K, 50V
C2015	ECKD3D222JBN	C 2200PF, J, 2KV	C3352	ECEA1CN101S	E 100UF, 16V
C2101	ECCF1H271J	C 270PF, J, 50V	C3353	ECUX1H103KBM	C 0.01UF, K, 50V
C2102	ECKF1H103ZF	C 0.01UF, Z, 50V	C3354	ECEA1HU2R2	E 2.2UF, 50V
C2103	ECEA2EU4R7	E 4.7UF, 250V	C3355	ECUX1H120JCM	C 12PF, J, 50V
C2105	ECCF1H820J	C 82PF, J, 50V	C3356	ECUX1H103KBM	C 0.01UF, K, 50V
C2115	ECKD3D222JBN	C 2200PF, J, 2KV	C3357	ECEA1VU221	E 220UF, 35V
C2201	ECCF1H271J	C 270PF, J, 50V	C3358	ECEA1CU330	E 33UF, 16V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C3359	ECEA1CU330	E 33UF, 16V	C4011	ECUX1H472KBM	C 4700PF, K, 50V
C3360	ECEA1CN100S	E 10UF, 16V	C4012	ECQB1H103KF	P 0.01UF, K, 50V
C3361	ECUX1H222KBM	C 2200PF, K, 50V	C4013	ECEA0JN330S	E 33UF, 6.3V
C3401	ECEA1CU100	E 10UF, 16V	C4014	ECEA1CU100	E 10UF, 16V
C3402	ECEA1CU330	E 33UF, 16V	C4015	ECUX1H330JCM	C 33PF, J, 50V
C3403	ECEA1CU100	E 10UF, 16V	C4016	ECUX1H680JCM	C 68PF, J, 50V
C3404	ECUX1H103KBM	C 0.01UF, K, 50V	C4018	TCRHA045G11	TRIMMER
C3405	ECUX1H103KBM	C 0.01UF, K, 50V	C4019	ECEA1CU100	E 10UF, 16V
C3406	ECEA1EN220S	E 22UF, 25V	C4020	ECEA1CU330	E 33UF, 16V
C3407	ECEA1EN100S	E 10UF, 25V	C4021	ECUX1H680JCM	C 68PF, J, 50V
C3408	ECEA1CU100	E 10UF, 16V	C4022	ECUX1H090DCM	C 9PF, 50V
C3409	ECEA1HN3R3S	E 3.3UF, 50V	C4023	ECUX1H330JCM	C 33PF, J, 50V
C3501	ECEA1VU221	E 220UF, 35V	C4024	ECUX1H121JCM	C 120PF, J, 50V
C3502	ECEA1VU470	E 47UF, 35V	C4025	ECUX1H181JCM	C 180PF, J, 50V
C3503	ECEA1CU101	E 100UF, 16V	C4026	ECEA1CU470	E 47UF, 16V
C3504	ECEA1VU471	E 470UF, 35V	C4027	ECEA1CU470	E 47UF, 16V
C3505	ECEA1EU101	E 100UF, 25V	C4028	ECEA1HU010	E 1UF, 50V
C3506	ECEA1VU101	E 100UF, 35V	C4029	ECUX1H103KBM	C 0.01UF, K, 50V
C3507	ECEA1HNO10S	E 1UF, 50V	C4030	ECEA1CU100	E 10UF, 16V
C3508	ECEA1HNO10S	E 1UF, 50V	C4031	ECEA1HU010	E 1UF, 50V
C3509	ECUX1H103KBM	C 0.01UF, K, 50V	C4032	ECUX1H220JCM	C 22PF, J, 50V
C3510	ECEA1HNO10S	E 1UF, 50V	C4071	ECEA1CU470	E 47UF, 16V
C3511	ECEA1HNO10S	E 1UF, 50V	C4072	ECEA1CN470S	E 47UF, 16V
C3512	ECEA1HNO10S	E 1UF, 50V	C4073	ECEA1CN470S	E 47UF, 16V
C3513	ECEA1CN330S	E 33UF, 16V	C4101	ECEA1CU470	E 47UF, 16V
C3514	ECEA1CN220S	E 22UF, 16V	C4104	ECEA1CN100S	E 10UF, 16V
C3515	ECEA1CN330S	E 33UF, 16V	C4105	ECEA1CU470	E 47UF, 16V
C3516	ECEA1CN220S	E 22UF, 16V	C4106	ECEA1CU470	E 47UF, 16V
C3517	ECKD3A562KBN	C 5600PF, K, 1KV	C4107	ECUX1H470JCM	C 47PF, J, 50V
C3519	ECUX1H682KBM	C 6800PF, K, 50V	C4108	ECEA1CU101	E 100UF, 16V
C3520	ECEA1HN4R7S	E 4.7UF, 50V	C4109	ECEA1CU100	E 10UF, 16V
C3552	ECEA1HU470	E 47UF, 50V	C4110	ECEA1CU220	E 22UF, 16V
C3553	ECEA1CU470	E 47UF, 16V	C4112	ECEA1CU100	E 10UF, 16V
C3554	ECEA1CU470	E 47UF, 16V	C4113	ECUX1H101JCM	C 100PF, J, 50V
C3555	ECEA1CU101	E 100UF, 16V	C4114	ECEA1CU100	E 10UF, 16V
C3556	ECEA1CU470	E 47UF, 16V	C4301	ECEA1HUR33	E 0.33UF, 50V
C3557	ECUX1H330JCM	C 33PF, J, 50V	C4302	ECEA1CU100	E 10UF, 16V
C3558	ECUX1H681JCM	C 680PF, J, 50V	C4303	ECEA1HU4R7	E 4.7UF, 50V
C3559	ECQP1122JZ	P 1200PF, J, 100V	C4304	ECEA1CU101	E 100UF, 16V
C3560	ECEA1CU470	E 47UF, 16V	C4305	ECEA1CU470	E 47UF, 16V
C3561	ECEA1CU470	E 47UF, 16V	C4306	ECUX1H120JCM	C 12PF, J, 50V
C3562	ECQV1H104JZ	P 0.1UF, J, 50V	C4307	ECUX1H180JCM	C 18PF, J, 50V
C3563	ECQV1H334JZ	P 0.33UF, J, 50V	C4308	ECUX1H103KBM	C 0.01UF, K, 50V
C3564	ECUX1H221JCM	C 220PF, J, 50V	C4401	ECUX1H100CCM	C 10PF, 50V
C3565	ECEA1HNO10S	E 1UF, 50V	C4402	ECUX1H100CCM	C 10PF, 50V
C3566	ECUX1H103KBM	C 0.01UF, K, 50V	C4403	ECUX1H560JCM	C 56PF, J, 50V
C3567	ECEA1HN100S	E 10UF, 50V	C4404	ECEA1CN470S	E 47UF, 16V
C3568	ECUX1H391JCM	C 390PF, J, 50V	C4405	ECUX1H470JCM	C 47PF, J, 50V
C4001	ECEA1CU470	E 47UF, 16V	C4406	ECUX1H121JCM	C 120PF, J, 50V
C4002	ECUX1H180JCM	C 18PF, J, 50V	C4407	ECUX1H390JCM	C 39PF, J, 50V
C4003	ECEA1CU470	E 47UF, 16V	C4408	ECEA1CU100	E 10UF, 16V
C4004	ECEA1CU470	E 47UF, 16V	C4409	ECUX1H390JCM	C 39PF, J, 50V
C4005	ECEA1HNO10S	E 1UF, 50V	C4410	ECEA1CU100	E 10UF, 16V
C4006	ECEA1CKA100	E 10UF, 16V	C4411	ECEA1CU100	E 10UF, 16V
C4007	ECUX1H103KBM	C 0.01UF, K, 50V	C4414	ECUX1H270JCM	C 27PF, J, 50V
C4008	ECEA1HKA010	E 1UF, 50V	C4415	ECUX1H470JCM	C 47PF, J, 50V
C4009	ECEA1HKA010	E 1UF, 50V	C4416	ECUX1H470JCM	C 47PF, J, 50V
C4010	ECUX1H103KBM	C 0.01UF, K, 50V	C4417	ECUX1H560JCM	C 56PF, J, 50V
			C4418	ECUX1H750JCM	C 75PF, J, 50V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C4601	ECUX1H330JCM	C 33PF, J, 50V	C4820	ECUX1H103KBM	C 0.01UF, K, 50V
C4602	ECUX1H103KBM	C 0.01UF, K, 50V	C4821	ECUX1H150JCM	C 15PF, J, 50V
C4603	ECUX1H820JCM	C 82PF, J, 50V	C4822	ECUX1H680JCM	C 68PF, J, 50V
C4604	ECUX1H103KBM	C 0.01UF, K, 50V	C4823	ECUX1H330JCM	C 33PF, J, 50V
C4631	ECUX1H103KBM	C 0.01UF, K, 50V	C4824	ECUX1H121JCM	C 120PF, J, 50V
C4632	ECUX1H103KBM	C 0.01UF, K, 50V	C4825	ECUX1H180JCM	C 18PF, J, 50V
C4633	ECEA1CU101	E 100UF, 16V	C4826	ECUX1H330JCM	C 33PF, J, 50V
C4641	ECUX1H330JCM	C 33PF, J, 50V	C4827	ECUX1H680JCM	C 68PF, J, 50V
C4642	ECUX1H221JCM	C 220PF, J, 50V	C4828	ECUX1H181JCM	C 180PF, J, 50V
C4661	ECUX1H393KBM	C 0.039UF, K, 50V	C4829	ECUX1H121JCM	C 120PF, J, 50V
C4662	ECUX1H103KBM	C 0.01UF, K, 50V	C4830	ECUX1H121JCM	C 120PF, J, 50V
C4663	ECEA1CU101	E 100UF, 16V	C4831	ECUX1H103KBM	C 0.01UF, K, 50V
C4664	ECUX1H103KBM	C 0.01UF, K, 50V	C4832	ECUX1H103KBM	C 0.01UF, K, 50V
C4701	ECEA1HNR47S	E 0.47UF, 50V	C4833	ECEA1CU100	E 10UF, 16V
C4702	ECUX1H560JCM	C 56PF, J, 50V	C4870	ECEA1CU101	E 100UF, 16V
C4703	ECEA1HKA010	E 1UF, 50V	C4871	ECUX1H330JCM	C 33PF, J, 50V
C4704	ECEA1HKA2R2	E 2.2UF, 50V	C4881	ECUX1H330JCM	C 33PF, J, 50V
C4705	ECQV1H104JZ	P 0.1UF, J, 50V	C4891	ECUX1H330JCM	C 33PF, J, 50V
C4706	ECQV1H104JZ	P 0.1UF, J, 50V	C4901	ECEA1EU101	E 100UF, 25V
C4707	ECUX1H103KBM	C 0.01UF, K, 50V	C4902	ECEA1CU471	E 470UF, 16V
C4708	ECUX1H103KBM	C 0.01UF, K, 50V	C5001	ECQB1H473KF	P 0.047UF, K, 50V
C4709	ECUX1H103KBM	C 0.01UF, K, 50V	C5002	ECQB1H103KF	P 0.01UF, K, 50V
C4710	ECQV1H104JZ	P 0.1UF, J, 50V	C5003	ECEA1HU010	E 1UF, 50V
C4711	ECQV1H104JZ	P 0.1UF, J, 50V	C5004	ECQB1H103KF	P 0.01UF, K, 50V
C4712	ECQV1H104JZ	P 0.1UF, J, 50V	C5005	ECCF1H101J	C 100PF, J, 50V
C4713	ECEA1CKA101	E 100UF, 16V	C5006	ECEA1HU2R2	E 2.2UF, 50V
C4714	ECEA1CKA100	E 10UF, 16V	C5007	ECEA1CU101	E 100UF, 16V
C4715	ECUX1H103KBM	C 0.01UF, K, 50V	C5008	ECQB1H562JF	P 5600PF, J, 50V
C4716	ECEA1CU471	E 470UF, 16V	C5009	ECQB1H472JF	P 4700PF, J, 50V
C4717	ECUX1H393KBM	C 0.039UF, K, 50V	C5010	ECUX1H103KBM	C 0.01UF, K, 50V
C4751	ECUX1H331JCM	C 330PF, J, 50V	C5011	ECEA1AU470	E 47UF, 10V
C4752	ECUX1H821JCM	C 820PF, J, 50V	C5012	ECQP1H222JZ	P 2200PF, J, 50V
C4753	ECUX1H561JCM	C 560PF, J, 50V	C5013	ECQP1471JZ	P 470PF, J, 100V
C4754	ECQV1H104JZ	P 0.1UF, J, 50V	C5014	ECUX1H103KBM	C 0.01UF, K, 50V
C4756	ECQB1H333KF	P 0.033UF, K, 50V	C5015	ECQK1102JZ	P 1000PF, J, 100V
C4757	ECEA1HFS3R3	E 3.3UF, 50V	C5016	ECEA1CU101	E 100UF, 16V
C4758	ECUX1H471JCM	C 470PF, J, 50V	C5017	ECQB1H273KF	P 0.027UF, K, 50V
C4759	ECEA1CU101	E 100UF, 16V	C5018	ECEA1CU101	E 100UF, 16V
C4760	ECEA1HN2R2S	E 2.2UF, 50V	C5020	ECEA1CU220	E 22UF, 16V
C4761	ECUX1H102JCH	C 1000PF, J, 50V	C5021	ECEA1CU101	E 100UF, 16V
C4801	ECUX1H103KBM	C 0.01UF, K, 50V	C5022	ECUX1H103KBM	C 0.01UF, K, 50V
C4802	ECUX1H103KBM	C 0.01UF, K, 50V	C5023	ECEA1VU470	E 47UF, 35V
C4803	ECQV1H563JZ	P 0.056UF, J, 50V	C5024	ECEA1HU101	E 100UF, 50V
C4804	ECQB1H103KF	P 0.01UF, K, 50V	C5025	ECUX1H103KBM	C 0.01UF, K, 50V
C4805	ECUX1H680JCM	C 68PF, J, 50V	C5026	ECUX1H103KBM	C 0.01UF, K, 50V
C4806	ECQB1H563JF	P 0.056UF, J, 50V	C5028	ECUX1H103KBM	C 0.01UF, K, 50V
C4807	ECUX1H220JCM	C 22PF, J, 50V	C5029	ECUX1H101JCM	C 100PF, J, 50V
C4808	ECUX1H330JCM	C 33PF, J, 50V	C5030	ECEA1VU331	E 330UF, 35V
C4809	ECCF1H300J	C 30PF, J, 50V	C5031	ECEA1HU010	E 1UF, 50V
C4810	ECUX1H150JCM	C 15PF, J, 50V	C5032	ECQB1H104KF	P 0.1UF, K, 50V
C4811	ECUX1H390JCM	C 39PF, J, 50V	C5033	ECWH12H103JS	P 0.01UF, 1.2KV
C4812	ECUX1H103KBM	C 0.01UF, K, 50V	C5034	ECWH12H122JR	P 1200PF, J, 1.2KV
C4813	ECQV1H563JZ	P 0.056UF, J, 50V	C5035	ECWH12H472JS	P 4700PF, J, 1.2KV
C4814	ECQB1H103JF	P 0.01UF, 50V	C5036	ECWH12H472JS	P 4700PF, J, 1.2KV
C4815	ECEA1HN2R2S	E 2.2UF, 50V	C5037	ECWH12H103JS	P 0.01UF, 1.2KV
C4816	ECEA1HUR47	E 0.47UF, 50V	C5038	ECQK1472JZ	P 4700PF, J, 100V
C4817	ECUX1H103KBM	C 0.01UF, K, 50V	C5039	ECQK1472JZ	P 4700PF, J, 100V
C4818	ECUX1H103KBM	C 0.01UF, K, 50V	C5041	ECKD3A472JBN	C 4700PF, J, 1KV
C4819	ECUX1H103KBM	C 0.01UF, K, 50V			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C5042	ECQE2106KF	P 10UF, K, 250V	C5518	ECEA2CU100	E 10UF, 160V
C5043	ECQE2106KF	P 10UF, K, 250V	C5519	ECQE2104KS	P 0.1UF, K, 250V
C5044	ECEAOJU222	E 2200UF, 6.3V	C5520	ECEA2CU100	E 10UF, 160V
C5045	ECQE2105KS	P 1UF, K, 250V	C5521	ECEA2CU4R7	E 4.7UF, 160V
C5046	ECOS2EG101D	E 100UF, 250V	C5522	ECUX1H102KBM	C 1000PF, K, 50V
C5047	ECUX1H101JCM	C 100PF, J, 50V	C5523	ECUX1H102KBM	C 1000PF, K, 50V
C5048	ECUX1H271JCM	C 270PF, J, 50V	C5524	ECQM2153JZ	
C5049	ECEA1AU470	E 47UF, 10V	C5525	ECEA1EN4R7S	E 4.7UF, 25V
C5050	ECEA1CU470	E 47UF, 16V	C5526	ECEA1CU220	E 22UF, 16V
C5051	ECEA2CU101	E 100UF, 160V	C5527	ECEA1CU100	E 10UF, 16V
C5052	ECQB1H333KF	P 0.033UF, K, 50V	C5528	ECUX1H101JCM	C 100PF, J, 50V
C5053	ECUX1H222KBM	C 2200PF, K, 50V	C5529	ECUX1H101JCM	C 100PF, J, 50V
C5054	ECEA1HU010	E 1UF, 50V	C5530	ECEA1CU100	E 10UF, 16V
C5055	ECEA1CU330	E 33UF, 16V	C5531	ECEA1CN100S	E 10UF, 16V
C5056	ECEA1CU100	E 10UF, 16V	C5532	ECEA1HU4R7	E 4.7UF, 50V
C5057	ECUX1H101JCM	C 100PF, J, 50V	C5533	ECEA1CU220	E 22UF, 16V
C5058	ECUX1H101JCM	C 100PF, J, 50V	C5534	ECEA1CN470S	E 47UF, 16V
C5059	ECEA1CU100	E 10UF, 16V	C5535	ECEA1CU100	E 10UF, 16V
C5060	ECEA1CN220S	E 22UF, 16V	C5536	ECQB1H104JF	P 0.1UF, 50V
C5061	ECEA1HU4R7	E 4.7UF, 50V	C5537	ECEA1CU101	E 100UF, 16V
C5062	ECEA1CU220	E 22UF, 16V	C5538	ECEA1CU470	E 47UF, 16V
C5063	ECEA1CN470S	E 47UF, 16V	C5539	ECEA1CU220	E 22UF, 16V
C5064	ECEA1CU100	E 10UF, 16V	C5540	ECUX1H471KBM	C 470PF, K, 50V
C5065	ECUX1H102KBM	C 1000PF, K, 50V	C5541	ECQB1H222KF	P 2200PF, K, 50V
C5066	ECEA1CU101	E 100UF, 16V	C5542	ECQB1H473JF	P 0.047UF, J, 50V
C5067	ECEA1CN220S	E 22UF, 16V	C5543	ECEA1CKA470	E 47UF, 16V
C5068	ECQB1H333KF	P 0.033UF, K, 50V	C5544	ECEA1AKA221	E 220UF, 10V
C5069	ECEA1CU220	E 22UF, 16V	C5545	ECEA1CKA470	E 47UF, 16V
C5070	ECEA1CU330	E 33UF, 16V	C5546	ECEA1CU100	E 10UF, 16V
C5071	ECEAOJU101	E 100UF, 6.3V	C5547	ECUX1H102KBM	C 1000PF, K, 50V
C5072	ECUX1H103KBM	C 0.01UF, K, 50V	C6003	ECEA1HU010	E 1UF, 50V
C5073	ECKD3D101KBN	C 100PF, K, 2KV	C6004	ECWH15H682JD	P 6800PF, J, 1.5KV
C5074	ECEA1CN470S	E 47UF, 16V	C6005	ECEA1CU100	E 10UF, 16V
C5075	ECEA1CN470S	E 47UF, 16V	C6006	ECEA1HU3R3	E 3.3UF, 50V
C5076	ECEA1HN100S	E 10UF, 50V	C6007	ECEA1HUOR1	E 0.1UF, 50V
C5077	ECEA1HU100	E 10UF, 50V	C6008	ECEA1HU010	E 1UF, 50V
C5078	ECQB1H274KF	P 0.27UF, K, 50V	C6009	ECWH15H682JD	P 6800PF, J, 1.5KV
C5079	ECEA1CU470	E 47UF, 16V	C6010	ECQE12333KZ	P 0.033UF, K, 1.2KV
C5080	ECEA1CU331	E 330UF, 16V	C6011	ECWH15H472JD	P 4700PF, J, 1.5KV
C5081	ECQM1H154KV	P 0.15UF, K, 50V	C6012	ECWH15H272JD	P 2700PF, J, 1.5KV
C5082	ECQB1H152JF	P 1500PF, J, 50V	C6013	ECEA1CU471	E 470UF, 16V
C5083	ECEA1VU101	E 100UF, 35V	C6014	ECEA1CN100S	E 10UF, 16V
C5084	ECEA1CU470	E 47UF, 16V	C6016	ECEA1HU010	E 1UF, 50V
C5501	ECUX1H152KBM	C 1500PF, K, 50V	C6017	ECEA1CU100	E 10UF, 16V
C5502	ECEA1HN010S	E 1UF, 50V	C6018	ECQM1474JZ	P 0.47UF, J, 100V
C5503	ECEA1HU010	E 1UF, 50V	C6019	ECUX1H103KBM	C 0.01UF, K, 50V
C5505	ECEA50ZR68	E 0.68UF, 50V	C6020	ECQK1392JZ	P 3900PF, J, 100V
C5506	ECEA1CN100S	E 10UF, 16V	C6021	ECEA25V10T	
C5507	ECEA1EU331	E 330UF, 25V	C6027	ECES2CG101D	E 100UF, 160V
C5508	ECQB1H683JF	P 0.068UF, J, 50V	C6032	ECKD2H101KB2	C 100PF, K, 500V
C5509	ECSF25E1V	T 1UF, 25V	C6033	ECEA1CU101	E 100UF, 16V
C5510	ECUX1H222KBM	C 2200PF, K, 50V	C6034	ECEA1HN3R3S	E 3.3UF, 50V
C5511	ECEA1AU470	E 47UF, 10V	C6035	ECQB1H102JF	P 1000PF, 50V
C5512	ECEA1CU331	E 330UF, 16V	C6036	ECQE2475KS	P 4.7UF, K, 250V
C5513	ECQB1H334JF	P 0.33UF, J, 50V	C6037	ECEA2CU3R3	E 3.3UF, 160V
C5514	ECEA1AU330	E 33UF, 10V	C6038	ECEA1CU101	E 100UF, 16V
C5515	ECEA1EU101	E 100UF, 25V	C6039	ECEA1VU470	E 47UF, 35V
C5516	ECEA1EU470	E 47UF, 25V	C6040	ECEA1EU470	E 47UF, 25V
C5517	ECQB1H102JF	P 1000PF, 50V	C6041	ECEA1CU101	E 100UF, 16V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
△ C6042	ECQV1H105JZ	P 1UF, J, 50V	C7038	ECUX1H102KBM	C 1000PF, K, 50V
C6043	ECEA1CU470	E 47UF, 16V	C7039	ECUX1H102KBM	C 1000PF, K, 50V
C6047	ECQM2222KZ	P 2200PF, K, 200V	C7040	ECUX1H102KBM	C 1000PF, K, 50V
△ C6048	ECEA1CU100	E 10UF, 16V	C7051	ECEA1AU470	E 47UF, 10V
C6051	ECEA1HU010	E 1UF, 50V	C7052	ECEA1HU010	E 1UF, 50V
C6054	ECEA2CU3R3	E 3.3UF, 160V	C7053	ECUX1H103KBM	C 0.01UF, K, 50V
C6055	ECEA1CU101	E 100UF, 16V	C7054	ECQB1H104JF	P 0.1UF, 50V
C6056	ECEA1CU100	E 10UF, 16V	C7055	ECEA1HU4R7	E 4.7UF, 50V
C6057	ECKF1H102KB	C 1000PF, K, 50V	C7056	ECEA1AU470	E 47UF, 10V
△ C6058	ECEA1HU3R3	E 3.3UF, 50V	C7057	ECEA1HU010	E 1UF, 50V
△ C6059	ECEA1HU010	E 1UF, 50V	C7058	ECEA1HU010	E 1UF, 50V
C6060	ECEA1CN100S	E 10UF, 16V	C7059	ECEA1HU010	E 1UF, 50V
C6061	ECEA1CN100S	E 10UF, 16V	C7060	ECEA1AU220	E 22UF, 10V
C6062	ECEA1HU010	E 1UF, 50V	C7061	ECQB1H103JF	P 0.01UF, 50V
C6063	ECEA1CU101	E 100UF, 16V	C7062	ECUX1H151JCM	C 150PF, J, 50V
C6065	ECQM1154KZ	P 0.15UF, K, 100V	C7065	ECUX1H103KBM	C 0.01UF, K, 50V
C6066	ECKF1H101KB	C 100PF, K, 50V	C7071	ECUX1H223KBM	C 0.022UF, K, 50V
C6067	ECEA1HU470	E 47UF, 50V	C7072	ECUX1H223KBM	C 0.022UF, K, 50V
C6070	ECUX1H103KBM	C 0.01UF, K, 50V	C7073	ECUX1H223KBM	C 0.022UF, K, 50V
C6071	ECUX1H103KBM	C 0.01UF, K, 50V	C7074	ECUX1H223KBM	C 0.022UF, K, 50V
C6072	ECQB1H104JF	P 0.1UF, 50V	C7075	ECUX1H223KBM	C 0.022UF, K, 50V
C6073	ECQB1H104JF	P 0.1UF, 50V	C7076	ECUX1H223KBM	C 0.022UF, K, 50V
C6077	ECUX1H101JCM	C 100PF, J, 50V	C7077	ECUX1H223KBM	C 0.022UF, K, 50V
C6078	ECUX1H101JCM	C 100PF, J, 50V	C7078	ECUX1H223KBM	C 0.022UF, K, 50V
C6079	ECUX1H101JCM	C 100PF, J, 50V	C7079	ECUX1H223KBM	C 0.022UF, K, 50V
C6080	ECUX1H103KBM	C 0.01UF, K, 50V	C7080	ECUX1H223KBM	C 0.022UF, K, 50V
C6081	ECEA1HU010	E 1UF, 50V	C7081	ECUX1H223KBM	C 0.022UF, K, 50V
△ C6091	ECEA1CU101	E 100UF, 16V	C7082	ECUX1H223KBM	C 0.022UF, K, 50V
△ C6092	ECEA1EU101	E 100UF, 25V	C7083	ECUX1H223KBM	C 0.022UF, K, 50V
C7001	ECEA1EGE101	E 100UF, 25V	C7084	ECUX1H223KBM	C 0.022UF, K, 50V
C7002	ECEA1HGE220	E 22UF, 50V	C7085	ECUX1H223KBM	C 0.022UF, K, 50V
C7003	ECEA1EGE101	E 100UF, 25V	C7086	ECUX1H223KBM	C 0.022UF, K, 50V
C7004	ECEA1CN220S	E 22UF, 16V	C7087	ECUX1H223KBM	C 0.022UF, K, 50V
C7005	ECEA1CGE101	E 100UF, 16V	C7088	ECUX1H223KBM	C 0.022UF, K, 50V
C7006	ECEA1AN220S	E 22UF, 10V	C7089	ECUX1H223KBM	C 0.022UF, K, 50V
C7007	ECEA1EGE101	E 100UF, 25V	C7090	ECUX1H223KBM	C 0.022UF, K, 50V
C7008	ECEA1HGE220	E 22UF, 50V	C7091	ECUX1H223KBM	C 0.022UF, K, 50V
C7009	ECEA1VGE101	E 100UF, 35V	C7092	ECUX1H223KBM	C 0.022UF, K, 50V
C7010	ECEA1HGE220	E 22UF, 50V	C7093	ECUX1H223KBM	C 0.022UF, K, 50V
C7011	ECEA1VGE101	E 100UF, 35V	C7094	ECUX1H223KBM	C 0.022UF, K, 50V
C7012	ECEA1HGE220	E 22UF, 50V	C7095	ECUX1H223KBM	C 0.022UF, K, 50V
C7013	ECEA1CGE221	E 220UF, 16V	C7100	ECUX1H103KBM	C 0.01UF, K, 50V
C7014	ECEA1CGE221	E 220UF, 16V	C7101	ECEA1CU100	E 10UF, 16V
C7015	ECEA1HGE220	E 22UF, 50V	C7102	ECEA1CU100	E 10UF, 16V
C7016	ECEA1HGE010	E 1UF, 50V	C7103	ECEA1CU100	E 10UF, 16V
C7017	ECEA1HU010	E 1UF, 50V	C7104	ECEA1CU470	E 47UF, 16V
C7018	ECEA1CU100	E 10UF, 16V	C7105	ECEA1CU220	E 22UF, 16V
C7019	ECEA1CU100	E 10UF, 16V	C7106	ECEA1HU4R7	E 4.7UF, 50V
C7020	ECEA1CU100	E 10UF, 16V	C7107	ECEA1CU220	E 22UF, 16V
C7021	ECEA1CU100	E 10UF, 16V	C7108	ECEA1CU100	E 10UF, 16V
C7022	ECEA1CU100	E 10UF, 16V	C7109	ECEA1CU100	E 10UF, 16V
C7031	ECUX1H223KBM	C 0.022UF, K, 50V	C7110	ECEA1CU100	E 10UF, 16V
C7032	ECUX1H102KBM	C 1000PF, K, 50V	C7111	ECEA1EN100S	E 10UF, 25V
C7033	ECUX1H102KBM	C 1000PF, K, 50V	C7112	ECEA1CU220	E 22UF, 16V
C7034	ECUX1H102KBM	C 1000PF, K, 50V	C7113	ECEA1HU4R7	E 4.7UF, 50V
C7035	ECUX1H102KBM	C 1000PF, K, 50V	C7114	ECEA1EN100S	E 10UF, 25V
C7036	ECUX1H102KBM	C 1000PF, K, 50V	C7115	ECEA1CU100	E 10UF, 16V
C7037	ECUX1H102KBM	C 1000PF, K, 50V	C7116	ECEA1CU100	E 10UF, 16V
			C7117	ECEA1CU100	E 10UF, 16V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C7118	ECEA1CU470	E 47UF, 16V	C7261	ECEA1CU470	E 47UF, 16V
C7119	ECEA1CU220	E 22UF, 16V	C7262	ECEA1CU220	E 22UF, 16V
C7120	ECEA1HU4R7	E 4.7UF, 50V	C7263	ECEA1HU4R7	E 4.7UF, 50V
C7121	ECEA1CU470	E 47UF, 16V	C7264	ECEA1EN100S	E 10UF, 25V
C7122	ECEA1CU100	E 10UF, 16V	C7265	ECEA1CU100	E 10UF, 16V
C7124	ECEA1CU100	E 10UF, 16V	C7266	ECEA1CU100	E 10UF, 16V
C7125	ECEA1CU470	E 47UF, 16V	C7267	ECEA1CU100	E 10UF, 16V
C7126	ECEA1CU220	E 22UF, 16V	C7268	ECEA1CU100	E 10UF, 16V
C7127	ECEA1HU4R7	E 4.7UF, 50V	C7269	ECEA1CU220	E 22UF, 16V
C7129	ECQB1H473JF	P 0.047UF, J, 50V	C7270	ECEA1HU4R7	E 4.7UF, 50V
C7130	ECUX1H223KBM	C 0.022UF, K, 50V	C7271	ECEA1CU470	E 47UF, 16V
C7131	ECQB1H102JF	P 1000PF, 50V	C7272	ECQB1H473JF	P 0.047UF, J, 50V
C7133	ECQB1H102JF	P 1000PF, 50V	C7273	ECUX1H223KBM	C 0.022UF, K, 50V
C7135	ECQB1H102JF	P 1000PF, 50V	C7274	ECQB1H102JF	P 1000PF, 50V
C7138	ECEA1CU101	E 100UF, 16V	C7401	ECEA1VU101	E 100UF, 35V
C7139	ECEA1CN101S	E 100UF, 16V	C7402	ECEA1EU470	E 47UF, 25V
C7140	ECEA1CU101	E 100UF, 16V	C7403	ECUX1H102KBM	C 1000PF, K, 50V
C7141	ECEA1CN101S	E 100UF, 16V	C7404	ECEA1VU101	E 100UF, 35V
C7142	ECUX1H103KBM	C 0.01UF, K, 50V	C7405	ECEA1EU470	E 47UF, 25V
C7201	ECEA1CU100	E 10UF, 16V	C7406	ECUX1H102KBM	C 1000PF, K, 50V
C7202	ECEA1CU100	E 10UF, 16V	C7407	ECEA1EU470	E 47UF, 25V
C7203	ECEA1CU100	E 10UF, 16V	C7408	ECEA1VU101	E 100UF, 35V
C7204	ECEA1CU470	E 47UF, 16V	C7409	ECUX1H102KBM	C 1000PF, K, 50V
C7205	ECEA1CU220	E 22UF, 16V	C7410	ECEA1VU101	E 100UF, 35V
C7206	ECEA1HU4R7	E 4.7UF, 50V	C7411	ECEA1EU470	E 47UF, 25V
C7207	ECEA1CU220	E 22UF, 16V	C7412	ECUX1H102KBM	C 1000PF, K, 50V
C7208	ECEA1CU100	E 10UF, 16V	C7413	ECEA1VU101	E 100UF, 35V
C7209	ECEA1CU100	E 10UF, 16V	C7414	ECEA1AU470	E 47UF, 10V
C7210	ECEA1CU100	E 10UF, 16V	C7415	ECUX1H102KBM	C 1000PF, K, 50V
C7211	ECEA1CU470	E 47UF, 16V	C7416	ECEA1AU101	E 100UF, 10V
C7212	ECEA1CU220	E 22UF, 16V	C7417	ECEA1AU470	E 47UF, 10V
C7213	ECEA1HU4R7	E 4.7UF, 50V	C7418	ECUX1H102KBM	C 1000PF, K, 50V
C7214	ECEA1EN100S	E 10UF, 25V	C7419	ECEA1VU101	E 100UF, 35V
C7215	ECEA1CU100	E 10UF, 16V	C7420	ECEA1EU470	E 47UF, 25V
C7216	ECEA1CU100	E 10UF, 16V	C7421	ECUX1H102KBM	C 1000PF, K, 50V
C7217	ECEA1CU100	E 10UF, 16V	C7422	ECEA1VU101	E 100UF, 35V
C7218	ECEA1CN100S	E 10UF, 16V	C7423	ECEA1EU470	E 47UF, 25V
C7219	ECEA1CU220	E 22UF, 16V	C7424	ECUX1H102KBM	C 1000PF, K, 50V
C7220	ECEA1HU4R7	E 4.7UF, 50V	C8011	ECEA1CU100	E 10UF, 16V
C7221	ECEA1CU470	E 47UF, 16V	C8021	ECQM4822KZ	P 8200PF, K, 400V
C7222	ECQB1H473JF	P 0.047UF, J, 50V	C8022	ECQM4223JZ	P 0.022UF, J, 400V
C7223	ECUX1H223KBM	C 0.022UF, K, 50V	C8025	ECEA1EU101	E 100UF, 25V
C7224	ECQB1H102JF	P 1000PF, 50V	C8026	ECUX1H103KBM	C 0.01UF, K, 50V
C7226	ECEA1CU101	E 100UF, 16V	C8031	ECEA1EU101	E 100UF, 25V
C7227	ECEA1CN101S	E 100UF, 16V	C8032	ECUX1H103KBM	C 0.01UF, K, 50V
C7228	ECEA1CU101	E 100UF, 16V	C8033	ECEA1EU101	E 100UF, 25V
C7229	ECEA1CN101S	E 100UF, 16V	C8034	ECUX1H103KBM	C 0.01UF, K, 50V
C7230	ECEA1CU101	E 100UF, 16V	C8035	ECEA1HU470	E 47UF, 50V
C7231	ECEA1CN101S	E 100UF, 16V	C8036	ECEA1HU470	E 47UF, 50V
C7251	ECEA1CU100	E 10UF, 16V	C8037	ECQM4152JZ	P 1500PF, J, 400V
C7252	ECEA1CU100	E 10UF, 16V	C9001	ECQU2A334MP	P 0.33UF, M, 250V
C7253	ECEA1CU100	E 10UF, 16V	C9002	ECQU2A334MP	P 0.33UF, M, 250V
C7254	ECEA1CU470	E 47UF, 16V	C9005	ECKDNS102KB	C 1000PF, K,
C7255	ECEA1CU220	E 22UF, 16V	C9006	ECKDNS102KB	C 1000PF, K,
C7256	ECEA1HU4R7	E 4.7UF, 50V	C9007	ECKDNS471MBX	C 470PF, M,
C7257	ECEA1CU220	E 22UF, 16V	C9008	ECKDNS471MBX	C 470PF, M,
C7258	ECEA1CU100	E 10UF, 16V	C9009	ECKD2H472PU	C 4700PF, P, 500V
C7259	ECEA1CU100	E 10UF, 16V			
C7260	ECEA1CU100	E 10UF, 16V			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
△ C9010	ECKD2H472PU	C 4700PF, P, 500V	△ C9253	ECKF1H102KB	C 1000PF, K, 50V
△ C9011	ECKD2H472PU	C 4700PF, P, 500V	C9254	ECKD2H101KB2	C 100PF, K, 500V
△ C9012	ECKD2H472PU	C 4700PF, P, 500V	C9255	ECEA1EU332	E 3300UF, 25V
△ C9013	ECEA2WU3R3	E 3.3UF, 450V	C9256	ECKF1H472KB	C 4700PF, K, 50V
△ C9051	ECOS2GA331EA	E 330UF, 400V	C9257	ECEA1EU102	E 1000UF, 25V
△ C9052	ECOS2GA331EA	E 330UF, 400V	C9258	ECKF1H472KB	C 4700PF, K, 50V
C9055	ECKD2H472KB2	C 4700PF, K, 500V	C9259	ECKD2H101KB2	C 100PF, K, 500V
C9056	ECEA2WU3R3	E 3.3UF, 450V	C9260	ECEA1EU332	E 3300UF, 25V
C9057	ECKD2H221KB2	C 220PF, K, 500V	C9261	ECKF1H472KB	C 4700PF, K, 50V
C9058	ECKD2H103KB2	C 0.01UF, K, 500V	C9263	ECKD2H101KB2	C 100PF, K, 500V
C9059	ECKD2H101KB2	C 100PF, K, 500V	C9264	ECEA1CGE332	E 3300UF, 16V
C9060	ECKD3A471KBN	C 470PF, K, 1KV	C9265	ECKF1H472KB	C 4700PF, K, 50V
C9061	ECEA1HFS470	E 47UF, 50V	C9266	ECKD2H101KB2	C 100PF, K, 500V
C9062	ECQV1H333JZ	P 0.033UF, J, 50V	C9267	ECEA1EGE222	E 2200UF, 25V
C9063	ECKD2H101KB2	C 100PF, K, 500V	C9268	ECKF1H472KB	C 4700PF, K, 50V
C9064	ECEA1HU102	E 1000UF, 50V	C9269	ECKD2H101KB2	C 100PF, K, 500V
C9065	ECKF1H103MD	C 0.01UF, M, 50V	C9270	ECEA1VGE332	E 3300UF, 35V
C9066	ECQB1H104JF	P 0.1UF, 50V	C9271	ECKF1H472KB	C 4700PF, K, 50V
C9067	ECEA1CU100	E 10UF, 16V	C9274	ECKD2H101KB2	C 100PF, K, 500V
C9068	ECQB1H104JF	P 0.1UF, 50V	C9275	ECEA1VGE222	E 2200UF, 35V
C9070	ECEA1EU470	E 47UF, 25V	C9276	ECKF1H472KB	C 4700PF, K, 50V
C9071	ECQB1H104JF	P 0.1UF, 50V	C9301	ECQM4223KZ	P 0.022UF, K, 400V
C9072	ECQB1H103KF	P 0.01UF, K, 50V	C9302	ECEA1CGE221	E 220UF, 16V
C9101	ECQM4223KZ	P 0.022UF, K, 400V	C9303	ECEA1CGE101	E 100UF, 16V
C9102	ECEA1CGE221	E 220UF, 16V	C9304	ECKD2H102KB2	C 1000PF, K, 500V
C9103	ECEA1CGE101	E 100UF, 16V	C9305	ECEA2GU470	E 47UF, 400V
C9104	ECKD2H102KB2	C 1000PF, K, 500V	△ C9306	ECKD3A101KBN	C 100PF, K, 1KV
C9105	ECEA2GU470	E 47UF, 400V	C9307	ECKD3D101KBN	C 100PF, K, 2KV
△ C9106	ECKD3A101KBN	C 100PF, K, 1KV	△ C9308	ECKD2H682KB2	C 6800PF, K, 500V
C9107	ECKD3D101KBN	C 100PF, K, 2KV	C9309	ECEA1AGE331	E 330UF, 10V
△ C9108	ECKD2H682KB2	C 6800PF, K, 500V	C9310	ECKF1H682KB	C 6800PF, K, 50V
C9109	ECEA1AGE331	E 330UF, 10V	△ C9311	ECKDNS102KB	C 1000PF, K,
C9110	ECKF1H682KB	C 6800PF, K, 50V	C9312	ECKD2H101KB2	C 100PF, K, 500V
△ C9111	ECKDNS102KB	C 1000PF, K,	C9313	ECKF1H101KB	C 100PF, K, 50V
C9112	ECKD2H101KB2	C 100PF, K, 500V	C9351	ECEA1CU100	E 10UF, 16V
C9113	ECKF1H101KB	C 100PF, K, 50V	△ C9353	ECKD3A101KBN	C 100PF, K, 1KV
C9151	ECEA1CU100	E 10UF, 16V	△ C9354	ECEA2EU101W	E 100UF, 250V
△ C9153	ECKD3A101KBN	C 100PF, K, 1KV	△ C9355	ECKD2H472PU7	C 4700PF, 5 00V
△ C9154	ECKD3A101KBN	C 100PF, K, 1KV	C9356	ECEA2EU470	E 47UF, 250V
C9155	ECES2CG471M	E 470UF, 160V	C9357	ECKD2H472PU7	C 4700PF, 5 00V
C9156	ECKD2H472PU7	C 4700PF, 5 00V	△ C9361	ECKD2H101KB2	C 100PF, K, 500V
C9157	ECKD2H101KB2	C 100PF, K, 500V	C9362	ECEA2CU221	E 220UF, 160V
C9158	ECEA1EU101	E 100UF, 25V	C9363	ECKD2H472PU7	C 4700PF, 5 00V
△ C9159	ECKD3A101KBN	C 100PF, K, 1KV	C9364	ECKD3A101KBN	C 100PF, K, 1KV
C9160	ECEA2VU100	E 10UF, 350V	C9365	ECEA2AU221	E 220UF, 100V
C9201	ECQM4223KZ	P 0.022UF, K, 400V	C9366	ECKD2H472PU7	C 4700PF, 5 00V
C9202	ECEA1CGE221	E 220UF, 16V	C9367	ECKD2H391KB2	C 390PF, K, 500V
C9203	ECEA1CGE101	E 100UF, 16V	C9368	ECEA1CGE222	E 2200UF, 16V
C9204	ECKD2H102KB2	C 1000PF, K, 500V	C9369	ECKF1H472KB	C 4700PF, K, 50V
C9205	ECEA2GU470	E 47UF, 400V	C9370	ECKD2H391KB2	C 390PF, K, 500V
△ C9206	ECKD3A101KBN	C 100PF, K, 1KV	C9371	ECEA1CU222	E 2200UF, 16V
C9207	ECKD3D101KBN	C 100PF, K, 2KV	C9372	ECKF1H472KB	C 4700PF, K, 50V
△ C9208	ECQE10103KV	P 0.01UF, K, 1KV	C9401	ECUX1H221JCM	C 220PF, J, 50V
C9209	ECEA1AGE331	E 330UF, 10V	C9402	ECQB1H153JF	P 0.015UF, J, 50V
△ C9210	ECKF1H682KB	C 6800PF, K, 50V	C9403	ECEA1HKG3R3	E 3.3UF, 50V
C9211	ECKDNS102KB	C 1000PF, K,	C9404	ECCF1H681J	C 680PF, J, 50V
C9212	ECKD2H101KB2	C 100PF, K, 500V	C9405	ECQP1H152GZ	P 1500PF, G, 50V
C9213	ECKF1H101KB	C 100PF, K, 50V	C9406	ECUX1H472KBM	C 4700PF, K, 50V
C9251	ECEA1CU100	E 10UF, 16V			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C9407	ECUX1H103KBM	C 0.01UF, K, 50V	C9702	ECEA1CU470	E 47UF, 16V
C9408	ECEA1CKA101	E 100UF, 16V	C9703	ECKF1H472KB	C 4700PF, K, 50V
C9409	ECEA1CKG100	E 10UF, 16V	C9751	ECKD2H102KB2	C 1000PF, K, 500V
C9410	ECUX1H331JCM	C 330PF, J, 50V	C9752	ECEA1CU101	E 100UF, 16V
C9411	ECEA1CKG220	E 22UF, 16V	C9753	ECEA1AU470	E 47UF, 10V
C9412	ECUX1H103KBM	C 0.01UF, K, 50V	C9754	ECKF1H102KB	C 1000PF, K, 50V
C9413	ECUX1E473KBM	C 47000PF, K, 25V	C9755	ECQB1H103KF	P 0.01UF, K, 50V
C9414	ECUX1E473KBM	C 47000PF, K, 25V	COILS		
C9415	ECUX1H102JCM	C 1000PF, J, 50V			
C9416	ECEA1CKG100	E 10UF, 16V	△ L2001	TLQ047K126	PEAKING COIL 4.7U
C9417	ECUX1E223KBM	C 22000PF, K, 25V	△ L2002	TLQ101K126	PEAKING COIL 100U
C9418	ECUX1E333KBM	C 0.033UF, K, 25V	△ L2003	TLQ056K126	PEAKING COIL 5.6U
C9419	ECUX1H102JCM	C 1000PF, J, 50V	L2004	TLQ010K126	PEAKING COIL 1U
C9420	ECUX1H222KBM	C 2200PF, K, 50V	L2101	TLQ047K126	PEAKING COIL 4.7U
C9421	ECUX1E473KBM	C 47000PF, K, 25V	△ L2102	TLQ101K126	PEAKING COIL 100U
C9501	ECUX1H221JCM	C 220PF, J, 50V	△ L2103	TLQ056K126	PEAKING COIL 5.6U
C9502	ECQB1H153JF	P 0.015UF, J, 50V	L2104	TLQ010K126	PEAKING COIL 1U
C9503	ECEA1HKG3R3	E 3.3UF, 50V	L2201	TLQ047K126	PEAKING COIL 4.7U
C9504	ECCF1H681J	C 680PF, J, 50V	△ L2202	TLQ101K126	PEAKING COIL 100U
C9505	ECQP1H152GZ	P 1500PF, G, 50V	△ L2203	TLQ056K126	PEAKING COIL 5.6U
C9506	ECUX1H472KBM	C 4700PF, K, 50V	L2204	TLQ010K126	PEAKING COIL 1U
C9507	ECUX1H103KBM	C 0.01UF, K, 50V	L3001	TLTAR100K1R4	PEAKING COIL
C9508	ECEA1CKA101	E 100UF, 16V	L3301	TLQ100K126	PEAKING COIL 10U
C9509	ECEA1CKG100	E 10UF, 16V	L3302	TLQ100K126	PEAKING COIL 10U
C9510	ECUX1H331JCM	C 330PF, J, 50V	L3303	TLQ100K126	PEAKING COIL 10U
C9511	ECEA1CKG220	E 22UF, 16V	L3304	TLQ100K126	PEAKING COIL 10U
C9512	ECUX1H103KBM	C 0.01UF, K, 50V	L3305	TLQ100K126	PEAKING COIL 10U
C9513	ECUX1E473KBM	C 47000PF, K, 25V	L3306	TLQ100K126	PEAKING COIL 10U
C9514	ECUX1E473KBM	C 47000PF, K, 25V	L3307	TLTAR100K1R4	PEAKING COIL
C9515	ECUX1H102JCM	C 1000PF, J, 50V	L3308	TLQ470K126	PEAKING COIL 47U
C9516	ECEA1CKG100	E 10UF, 16V	L3309	TLQ470K126	PEAKING COIL 47U
C9517	ECUX1E223KBM	C 22000PF, K, 25V	L4001	ELB4K066B	COIL
C9518	ECUX1E333KBM	C 0.033UF, K, 25V	L4002	TLT047K991K	PEAKING COIL 4.7U
C9519	ECUX1H102JCM	C 1000PF, J, 50V	L4003	TLT390K991K	PEAKING COIL 39U
C9520	ECUX1H222KBM	C 2200PF, K, 50V	L4004	TLT390K991K	PEAKING COIL 39U
C9521	ECUX1E473KBM	C 47000PF, K, 25V	L4005	TLT100K991K	PEAKING COIL 10U
C9601	ECUX1H221JCM	C 220PF, J, 50V	L4006	TLT390K991K	PEAKING COIL 39U
C9602	ECQB1H153JF	P 0.015UF, J, 50V	L4007	TLT150K991K	PEAKING COIL 15U
C9603	ECEA1HKG3R3	E 3.3UF, 50V	L4101	TLK156059E	TRAP COIL 4.43MHZ
C9604	ECCF1H681J	C 680PF, J, 50V	L4103	ELT10Z398	COIL
C9605	ECQP1H152GZ	P 1500PF, G, 50V	L4401	TLT820J991K	PEAKING COIL 82U
C9606	ECUX1H472KBM	C 4700PF, K, 50V	L4402	TLT082J991K	PEAKING COIL
C9607	ECUX1H103KBM	C 0.01UF, K, 50V	L4403	ELB4M085B	COIL
C9608	ECEA1CKA101	E 100UF, 16V	L4404	TLT271J991K	PEAKING COIL2 70U
C9609	ECEA1CKG100	E 10UF, 16V	L4405	TLT220J991K	PEAKING COIL 22U
C9610	ECUX1H331JCM	C 330PF, J, 50V	L4406	TLT100J991K	PEAKING COIL 10U
C9611	ECEA1CKG220	E 22UF, 16V	L4407	TLTABT100K	PEAKING COIL 10U
C9612	ECUX1H103KBM	C 0.01UF, K, 50V	L4408	TLT082J991K	PEAKING COIL
C9613	ECUX1E473KBM	C 47000PF, K, 25V	L4409	TLT150J991K	PEAKING COIL 15U
C9614	ECUX1E473KBM	C 47000PF, K, 25V	L4410	TLT082J991K	PEAKING COIL
C9615	ECUX1H102JCM	C 1000PF, J, 50V	L4601	TLT390J991K	PEAKING COIL 39U
C9616	ECEA1CKG100	E 10UF, 16V	L4602	TLT681J991K	PEAKING COIL
C9617	ECUX1E223KBM	C 22000PF, K, 25V	L4603	TLT681J991K	PEAKING COIL
C9618	ECUX1E333KBM	C 0.033UF, K, 25V	L4604	TLT681J991K	PEAKING COIL
C9619	ECUX1H102JCM	C 1000PF, J, 50V	L4605	TLK150898E1	DELAY LINE
C9620	ECUX1H222KBM	C 2200PF, K, 50V	L4641	EIK7ES007B	COIL
C9621	ECUX1E473KBM	C 47000PF, K, 25V	L4801	EIK7ES008B	COIL
C9701	ECEA1EU470	E 47UF, 25V	L4802	TLT470J991K	PEAKING COIL 47U
			L4803	EIK7ES011B	COIL

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
L4804	EFDEN645A11G	DELAY LINE	△ L9152	TSK1002-1	COIL
L4805	TLTACC100K	PEAKING COIL 10U	△ L9153	TSK1002-1	COIL
L4806	EIK7ES009B	COIL	△ L9154	TSK1002-1	COIL
L4807	EIK7ES009B	COIL	△ L9155	TSK1002-1	COIL
L4871	TLT047K991K	PEAKING COIL 4.7U	L9201	TLQ120K236	PEAKING COIL
L4881	TLT047K991K	PEAKING COIL 4.7U	L9202	TLQ120K236	PEAKING COIL
L4901	TLTAR100K1R4	PEAKING COIL	L9203	TSK1002-1	COIL
L5001	TLTAR100K1R4	PEAKING COIL	△ L9204	TSK1002-1	COIL
△ L5002	TLTAR100K1R4	PEAKING COIL	△ L9251	TSK1002-1	COIL
L5003	TLTAR100K1R4	PEAKING COIL	△ L9252	TSK1002-1	COIL
L5004	TLP408	FERRITE CORE	△ L9253	TLT300K119C	PEAKING COIL
L5005	TLP408	FERRITE CORE	△ L9254	TSK1002-1	COIL
L5006	TLP408	FERRITE CORE	L9255	TSK1002-1	COIL
L5007	ETS39K77V	TRANS	L9256	TSK1002-1	COIL
L5008	TLT123J119C	PEAKING COIL	L9257	TSK1002-1	COIL
L5009	ELH5L754	LINEARITY COIL	L9258	TSK1002-1	COIL
L5010	ELH5L754	LINEARITY COIL	L9259	TSK1002-1	COIL
△ L6001	ETS29K362V	CHOKE TRANS	L9260	TSK1002-1	COIL
L6002	TLH15907	CHOKE COIL	L9261	TSK1002-1	COIL
L6003	TLH15907	CHOKE COIL	L9263	TSK1002-1	COIL
△ L6004	ETS39K261V	SWITCHING TRANS	L9264	TSK1002-1	COIL
L6005	TLTAR100K1R4	PEAKING COIL	L9301	TLQ120K236	PEAKING COIL
L6006	TLQ100K126	PEAKING COIL 10U	L9302	TLQ120K236	PEAKING COIL
L7001	TLTAR100K1R4	PEAKING COIL	L9303	TSK1002-1	COIL
L7002	TLTAR100K1R4	PEAKING COIL	L9304	TSK1002-1	COIL
L7003	TLTAR100K1R4	PEAKING COIL	△ L9351	TSK1002-1	COIL
L7004	TLTAR100K1R4	PEAKING COIL	△ L9352	TSK1002-1	COIL
L7005	TLTAR100K1R4	PEAKING COIL	△ L9354	TSK1002-1	COIL
L7006	TLTAR100K1R4	PEAKING COIL	△ L9355	TSK1002-1	COIL
L7007	TLTAR100K1R4	PEAKING COIL	△ L9356	TSK1002-1	COIL
L7401	TLP408	FERRITE CORE	L9357	TSK1002-1	COIL
L7402	TLP408	FERRITE CORE	L9358	TSK1002-1	COIL
L7403	TLP408	FERRITE CORE	L9359	TSK1002-1	COIL
L7404	TLP408	FERRITE CORE	L9360	TSK1002-1	COIL
L7405	TLP408	FERRITE CORE	L9361	TSK1002-1	COIL
L7406	TLP408	FERRITE CORE	△ L9362	TLT300K119C	PEAKING COIL
L7407	TLP408	FERRITE CORE	L9401	TSK1002-1	COIL
L7408	TLP408	FERRITE CORE	L9501	TSK1002-1	COIL
L7409	ETQ13K11AY	CHOKE COIL	L9601	TSK1002-1	COIL
L7410	ETQ13K11AY	CHOKE COIL	L9701	TSK1002-1	COIL
L8001	ELH18F733	COIL	TRANSFORMERS		
L8002	ELH16F764	COIL	△ T5001	TLH15408	H.DRIVE TRANS
L8003	TLTAR100K1R4	PEAKING COIL	T5002	ETS35K438V	CHOKE TRANS
L8004	TLTAR100K1R4	PEAKING COIL	T6001	TLH15408	H.DRIVE TRANS
L9001	TLP13517V	LINE FILTER	△ T6003	TLF14445B	FRYBACK TRANS
△ L9002	TLP13517V	LINE FILTER	△ T9051	ETE19K31AY	TRANS.
△ L9004	TLP13516V	LINE FILTER	△ T9101	ETS42K278V	CONVERTER TRANS
△ L9005	TLP13517V	LINE FILTER	T9102	TLP15724	CHOPPER TRANS.
△ L9006	TLP13517V	LINE FILTER	△ T9201	ETS42K640V	CONVERTER TRANS
L9051	TLT102K119C	PEAKING COIL 1M	T9202	TLP15724	CHOPPER TRANS.
L9052	TSK1002-1	COIL	△ T9301	ETS42K641V	CONVERTER TRANS
L9053	TSK1002-1	COIL	T9302	TLP15724	CHOPPER TRANS.
L9054	TSK1002-1	COIL			
L9101	TLQ120K236	PEAKING COIL			
L9102	TLQ120K236	PEAKING COIL			
△ L9103	TSK1002-1	COIL			
L9104	TSK1002-1	COIL			
L9151	TSK1002-1	COIL			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
DIODES			D3552	MA151K	DIODE
D1001	LN66AS	LED	D3553	MA151K	DIODE
D1002	LN66AS	LED	D3554	MA151K	DIODE
D1011	MA151WK	DIODE	D3555	MA4047H	ZENER DIODE 4.7
D1012	MA151WK	DIODE	D3557	MA151K	DIODE
D1021	MA704WK	DIODE	D3558	MA151K	DIODE
D1022	MA704WK	DIODE	D3560	MA151K	DIODE
D1023	MA704WK	DIODE	D3561	MA151K	DIODE
D1024	MA704WK	DIODE	D3562	MA151K	DIODE
D1025	MA704WK	DIODE	D3563	MA151K	DIODE
D1026	MA704WK	DIODE	D3564	MA3051M	ZENER DIODE
D1111	MA4051M	ZENER DIODE 5.0	D4001	MA4051	ZENER DIODE 4.8
D1201	MA4120M	ZENER DIODE 11.	D4101	MA151K	DIODE
D2001	MA162	DIODE	D4102	MA151K	DIODE
D2002	MA162	DIODE	D4103	MA4110M	ZENER DIODE 10.
D2003	TVSEU01N	DIODE	D4104	MA151K	DIODE
D2005	MA165	DIODE	D4105	MA151K	DIODE
D2006	MA4150M	ZENER DIODE 14.	D4106	MA4068M	ZENER DIODE 6.6
D2007	MA29W-A	DIODE	D4107	MA4043L	ZENER DIODE 4.0
D2101	MA162	DIODE	D4108	MA151K	DIODE
D2102	MA162	DIODE	D4109	MA151K	DIODE
D2103	TVSEU01N	DIODE	D4401	MA150	DIODE
D2104	MA165	DIODE	D4403	MA151K	DIODE
D2105	MA165	DIODE	D4601	MA151K	DIODE
D2201	MA162	DIODE	D4602	MA151K	DIODE
D2202	MA162	DIODE	D4661	MA4110M	ZENER DIODE 10.
D2203	TVSEU01N	DIODE	D4701	MA170	DIODE
D2204	MA165	DIODE	D4751	MA151K	DIODE
D2205	MA165	DIODE	D4753	MA4091M	ZENER DIODE 8.8
D3301	MA151K	DIODE	D4801	MA151K	DIODE
D3302	MA151K	DIODE	D5001	MA4056M	ZENER DIODE 5.4
D3303	MA151WK	DIODE	D5002	MA151K	DIODE
D3304	MA151K	DIODE	D5003	MA151K	DIODE
D3305	MA151K	DIODE	D5004	MA27TA	DIODE
D3307	MA3051M	ZENER DIODE	D5005	MA151K	DIODE
D3311	MA151K	DIODE	D5006	MA151WA	DIODE
D3312	MA151K	DIODE	D5007	MA151WA	DIODE
D3321	MA151K	DIODE	D5008	MA1100H	ZENER DIODE 10.
D3322	MA151K	DIODE	D5009	MA151WK	DIODE
D3323	MA151WK	DIODE	D5010	MA151WK	DIODE
D3324	MA151K	DIODE	D5012	MA151K	DIODE
D3341	MA151K	DIODE	D5016	MA151K	DIODE
D3342	MA151K	DIODE	D5017	TVSRF1	DIODE
D3343	MA151WK	DIODE	D5018	TVSRF1	DIODE
D3344	MA151K	DIODE	D5019	MA151K	DIODE
D3345	MA153A	DIODE	D5020	MA4030L	ZENER DIODE 2.8
D3347	MA3051M	ZENER DIODE	D5021	MA151K	DIODE
D3361	MA151K	DIODE	D5022	MA151K	DIODE
D3362	MA151K	DIODE	D5023	ERD07-15	DIODE
D3363	MA4130M	ZENER DIODE	D5024	ERE41-15J	DIODE
D3364	MA4130M	ZENER DIODE	D5026	MA4051M	ZENER DIODE 5.0
D3365	MA151K	DIODE	D5027	MA152K	DIODE
D3366	MA151K	DIODE	D5028	TVSRH15	DIODE
D3367	MA151K	DIODE	D5029	MA152K	DIODE
D3501	MA151K	DIODE	D5030	MA151K	DIODE
D3502	MA151K	DIODE	D5031	TVSRF1	DIODE
D3504	MA151K	DIODE	D5032	MA152K	DIODE
			D5033	MA151WK	DIODE
			D5034	LN28RP	LED (RED)

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
D5035	MA152K	DIODE	D6041	MA151K	DIODE
D5037	MA151K	DIODE	D6042	MA151K	DIODE
D5038	MA151WK	DIODE	D6043	MA151K	DIODE
D5039	MA152K	DIODE	D6044	MA151K	DIODE
D5040	MA151K	DIODE	D6045	TVSRU2	DIODE
D5041	MA4300M	ZENER DIODE 29.	D6046	MA151K	DIODE
D5042	MA27TA	DIODE	D6047	MA151K	DIODE
D5043	MA27TA	DIODE	D6048	MA151K	DIODE
D5044	MA27TA	DIODE	D6049	MA151K	DIODE
D5045	MA151K	DIODE	D6050	MA151K	DIODE
D5046	MA151K	DIODE	D6051	MA151K	DIODE
D5046	OA90G	DIODE	D6052	MA152K	DIODE
D5047	TVSQB124J	ZENER DIODE	D6053	MA152K	DIODE
D5502	MA151K	DIODE	D6054	MA151K	DIODE
D5503	MA151K	DIODE	D6055	MA151K	DIODE
D5504	MA151K	DIODE	D6056	MA151K	DIODE
D5505	MA151K	DIODE	D6057	MA151K	DIODE
D5506	MA4056L	ZENER DIODE 5.3	D6058	MA151WK	DIODE
D5507	MA151K	DIODE	D6059	MA151K	DIODE
D5508	MA151K	DIODE	△ D6061	MA1100M	ZENER DIODE 9.7
D5509	MA151K	DIODE	D6062	MA151K	DIODE
D5510	MA4039L	ZENER DIODE	D7007	MA165	DIODE
D5511	MA4051M	ZENER DIODE 5.0	D7008	MA165	DIODE
D5512	TVSQA216M1	ZENER DIODE	D7009	MA165	DIODE
D5513	TVSQA217A	ZENER DIODE	D7010	MA165	DIODE
D5514	TVSRU2	DIODE	D7012	MA4150H	ZENER DIODE
D5515	MA27WA	DIODE	D7013	MA4130M	ZENER DIODE
D5517	MA1120M	ZENER DIODE 11. ---	D7014	MA4130M	ZENER DIODE
D5518	MA27TA	DIODE	D7015	ERDS2TCO	C 00HM, 1/4W
D5519	TVSRD5.1EB2	ZENER DIODE	D7065	MA4047H	ZENER DIODE 4.7
D5520	MA27TA	DIODE	D8001	MA152K	DIODE
D6001	TVSRF1	DIODE	D8002	MA152K	DIODE
△ D6002	MA151K	DIODE	D8003	MA152K	DIODE
△ D6005	RS4FSLF-K2	DIODE	D8004	MA152K	DIODE
△ D6006	ERB06-15	DIODE	D8005	MA4051H	ZENER DIODE 5.1
△ D6007	LN28RP	LED (RED)	D8006	MA152K	DIODE
△ D6008	MA1062M	ZENER DIODE 6.0	D8007	TVSRU2	DIODE
△ D6009	MA151K	DIODE	△ D9001	ERZC10DK431	VARISTOR
△ D6010	MA151WK	DIODE	△ D9002	D4SB80Z	DIODE
D6012	MA151A	DIODE	△ D9003	TVSRM1C	DIODE
D6016	MA151K	DIODE	D9004	MA4300M	ZENER DIODE 29.
D6017	MA151K	DIODE	△ D9005	ON3105	PHOTO ISOLATOR
D6018	MA151K	DIODE	△ D9051	ERC12-08	DIODE
D6019	MA1240H	ZENER DIODE 24.	D9052	TVSES1C	DIODE
D6022	MA151K	DIODE	D9053	ERA22-04	DIODE
△ D6023	MA1051M	ZENER DIODE 5.0	D9054	ERA22-04	DIODE
D6024	TVSRU2	DIODE	D9055	MA2100B	ZENER DIODE 9.9
D6025	TVSRU2	DIODE	D9056	MA182	DIODE
D6026	MA151K	DIODE	△ D9057	ON3105	PHOTO ISOLATOR
D6028	MA151K	DIODE	D9060	MA4120M	ZENER DIODE 11.
△ D6029	MA1062M	ZENER DIODE 6.0	D9061	MA4091M	ZENER DIODE 8.8
△ D6031	MA1110H	ZENER DIODE 11.	D9062	MA4120M	ZENER DIODE 11.
D6032	MA151K	DIODE	D9091	LN117WP23	LED
D6033	MA151K	DIODE	D9101	MA165	DIODE
D6034	MA151K	DIODE	D9102	MA165	DIODE
△ D6036	TVSRU1	DIODE	D9103	MA165	DIODE
D6037	MA1030L	ZENER DIODE 2.8	D9104	MA4150M	ZENER DIODE 14.
△ D6039	MA1360	ZENER DIODE 34.	D9105	MA179	DIODE
D6040	MA151K	DIODE	D9106	MA179	DIODE
			D9107	TVSB4402	DIODE

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
△ D9108	TVSB4402	DIODE	D9506	MA151WK	DIODE
△ D9109	TVSRU1C	DIODE	D9508	MA4062M	ZENER DIODE 6.0
△ D9110	ON3105-Q	PHOTO ISOLATOR	D9509	MA28WA	DIODE
△ D9151	MA4051L	ZENER DIODE 4.8	D9601	MA4150M	ZENER DIODE 14.
△ D9152	TVSRG4K2	DIODE	D9602	MA151K	DIODE
△ D9153	TVSRG4K2	DIODE	D9603	MA4100M	ZENER DIODE 9.7
D9154	MA182	DIODE	D9604	MA151K	DIODE
D9155	MA4120M	ZENER DIODE 11.	D9605	MA151K	DIODE
△ D9156	TVSRU1C	DIODE	D9606	MA151WK	DIODE
D9201	MA165	DIODE	D9608	MA4062M	ZENER DIODE 6.0
D9203	MA165	DIODE	D9609	MA28WA	DIODE
D9204	MA4150M	ZENER DIODE 14.	D9701	MA167	DIODE
D9205	MA179	DIODE	D9702	MA167	DIODE
D9206	MA179	DIODE	D9703	MA167	DIODE
D9207	TVSB4402	DIODE	D9704	MA167	DIODE
△ D9208	TVSB4402	DIODE	D9705	MA167	DIODE
△ D9209	TVSC2406M	DIODE	D9706	MA167	DIODE
△ D9210	ON3105-Q	PHOTO ISOLATOR	D9707	MA167	DIODE
△ D9211	ON3105	PHOTO ISOLATOR	D9751	ERA22-04	DIODE
△ D9212	MA4062M	ZENER DIODE 6.0	D9752	MA4180M	ZENER DIODE 17.
△ D9213	TVSC2406M	DIODE	I.C		
D9251	MA4051L	ZENER DIODE 4.8			
D9252	MA4120M	ZENER DIODE 11.			
△ D9253	MA649	DIODE			
D9254	TVSRG4YK2	DIODE	IC1001	M50467-058FP	
D9255	MA649	DIODE	IC1013	AN5265	LINEAR IC
D9256	TVSRG4YK2	DIODE	IC3301	AN610P	LINEAR IC
D9257	MA649	DIODE	IC3302	AN610P	LINEAR IC
D9258	TVSRG4K2	DIODE	IC3303	AN610P	LINEAR IC
D9301	MA165	DIODE	IC3304	M51387P	IC
D9302	MA165	DIODE	IC3501	AN78M24	LINEAR IC
D9303	MA165	DIODE	IC3502	AN78M12	LINEAR IC
D9304	MA4150M	ZENER DIODE 14.	△ IC3503	AN78N05	LINEAR IC
D9305	ERA22-02	DIODE	IC3504	TC4049BP	MOS DEGITAL IC
D9306	MA179	DIODE	IC3505	TC4053BP	MOS DEGITAL IC
D9307	TVSB4402	DIODE	IC3506	TC4053BP	MOS DEGITAL IC
D9308	TVSB4402	DIODE	IC3507	TC4023BP	MOS DEGITAL IC
D9309	TVSRU1C	DIODE	IC3508	TC4082BP	MOS DEGITAL IC
△ D9310	ON3105-Q	PHOTO ISOLATOR	IC3509	TC4053BP	MOS DEGITAL IC
D9351	MA4051L	ZENER DIODE 4.8	IC3510	TC4024BP	MOS DEGITAL IC
△ D9352	MA4120M	ZENER DIODE 11.	IC3511	TC4040BP	MOS DEGETAL IC
△ D9353	RG4CLF-K2	DIODE	IC3512	TC4078BP	MOS DEGITAL IC
△ D9355	RG4ALF-K2	DIODE	IC3513	TVSTC4528BP	C-MOS LOGIC IC
D9356	TVSC2408M	DIODE	IC3514	TVSTC74HC03P	IC
D9357	TVSC84009	DIODE	IC3515	TVSTC4528BP	C-MOS LOGIC IC
D9358	TVSC84009	DIODE	IC4001	TA8728P	LINEAR IC
D9401	MA4150M	ZENER DIODE 14.	IC4002	TL8803P	ROGIC IC (CCD)
D9402	MA151K	DIODE	IC4101	LA7222-TV	LINEAR IC
D9403	MA4100M	ZENER DIODE 9.7	IC4301	CX20125	LINEAR IC
D9404	MA151K	DIODE	IC4401	PA0030	LINEAR IC
D9405	MA151K	DIODE	IC4601	LA7222-TV	LINEAR IC
D9406	MA151WK	DIODE	IC4602	LA7222-TV	LINEAR IC
D9408	MA4062M	ZENER DIODE 6.0	IC4701	TA8653N	LINEAR IC
D9409	MA28WA	DIODE	△ IC4901	AN7812	LINEAR IC
D9501	MA4150M	ZENER DIODE 14.	IC5001	AN7812	LINEAR IC
D9502	MA151K	DIODE	IC5002	AN5790N	LINEAR IC
D9503	MA4100M	ZENER DIODE 9.7	IC5003	TC4053BP	MOS DEGITAL IC
D9504	MA151K	DIODE	IC5004	TC4052BP	MOS DEGITAL IC
D9505	MA151K	DIODE	IC5006	TVSTC4528BP	C-MOS LOGIC IC

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
IC5007	M51132L	INTEGRATED CIRCUIT	IC8003	AN7818	LINEAR IC
IC5008	UPC4558C	IC	IC8004	AN7918T	LINEAR IC
IC5501	AN5436N	LINEAR IC	IC8101	STK4275	LINEAR IC
IC5502	TVSTC4528BP	C-MOS LOGIC IC	△ IC9401	AN5905	LINEAR IC
IC5503	UPC4558C	IC	△ IC9501	AN5905	LINEAR IC
IC5504	M51132L	INTEGRATED CIRCUIT	△ IC9601	AN5905	LINEAR IC
IC5505	UPC4558C	IC	△ IC9751	AN78L06	LINEAR IC
IC5506	UPC4558C	IC	TRANSISTORS		
IC5507	UPC4558C	IC			
△ IC6001	UPC4558C	IC			
△ IC6002	TVSTC4528BP	C-MOS LOGIC IC	Q1001	UN7231	TRANSISTOR
IC7001	AN7812	LINEAR IC	Q1057	2SC1685-Q	TRANSISTOR
IC7002	AN79M12	LINEAR IC	Q1111	2SC1685-Q	TRANSISTOR
IC7003	AN7805	LINEAR IC	Q1121	2SC1685-Q	TRANSISTOR
IC7004	AN7805	LINEAR IC	Q2001	2SC4158	TRANSISTOR
IC7005	CXA1268P	LINEAR IC	Q2002	2SC3526H	TRANSISTOR
IC7006	MN4066B	MOS LOGIC IC	Q2003	2SC3503	TRANSISTOR
IC7007	TVSS4LS138N	IC (DECODER)	Q2004	2SA1381	TRANSISTOR
IC7008	DAC-8800FP	IC	Q2101	2SC4158	TRANSISTOR
IC7009	DAC-8800FP	IC	Q2102	2SC3526H	TRANSISTOR
IC7010	DAC-8800FP	IC	Q2103	2SC3503	TRANSISTOR
IC7011	DAC-8800FP	IC	Q2104	2SA1381	TRANSISTOR
IC7012	DAC-8800FP	IC	Q2201	2SC4158	TRANSISTOR
IC7013	DAC-8800FP	IC	Q2202	2SC3526H	TRANSISTOR
IC7014	AN7805	LINEAR IC	Q2203	2SC3503	TRANSISTOR
IC7015	AN7905T	LINEAR IC	Q2204	2SA1381	TRANSISTOR
△ IC7016	AN7824	LINEAR IC	Q3301	2SC2295-B	TRANSISTOR
△ IC7017	AN7924T	LINEAR IC	Q3302	2SC2295-B	TRANSISTOR
IC7019	AN78L04	LINEAR IC	Q3303	2SA1022-B	TRANSISTOR
IC7020	UPC4558C	IC	Q3304	2SC2295-B	TRANSISTOR
IC7022	AN6914	LINEAR IC	Q3305	2SC2295-B	TRANSISTOR
IC7023	M51132L	INTEGRATED CIRCUIT	Q3306	UN2216	TRANSISTOR
IC7024	M51132L	INTEGRATED CIRCUIT	Q3307	2SA1022-B	TRANSISTOR
IC7025	M51132L	INTEGRATED CIRCUIT	Q3308	2SC2295-B	TRANSISTOR
IC7026	M51132L	INTEGRATED CIRCUIT	Q3309	2SC2188	TRANSISTOR
IC7027	AN6554	LINEAR IC	Q3310	2SA1005	TRANSISTOR
IC7028	AN6554	LINEAR IC	Q3311	2SA1005	TRANSISTOR
IC7029	AN6554	LINEAR IC	Q3312	2SC3526H	TRANSISTOR
IC7030	TL084CN	IC	Q3313	2SC2295-B	TRANSISTOR
IC7031	M51132L	INTEGRATED CIRCUIT	Q3314	2SC2295-B	TRANSISTOR
IC7032	M51132L	INTEGRATED CIRCUIT	Q3315	2SC2295-B	TRANSISTOR
IC7033	M51132L	INTEGRATED CIRCUIT	Q3316	2SC2295-B	TRANSISTOR
IC7034	M51132L	INTEGRATED CIRCUIT			
IC7035	M51132L	INTEGRATED CIRCUIT	Q3317	UN2216	TRANSISTOR
IC7036	M51132L	INTEGRATED CIRCUIT	Q3321	2SC2295-B	TRANSISTOR
IC7037	AN6554	LINEAR IC	Q3322	2SC2295-B	TRANSISTOR
IC7038	AN6554	LINEAR IC	Q3323	2SA1022-B	TRANSISTOR
IC7039	AN6554	LINEAR IC	Q3324	2SC2295-B	TRANSISTOR
IC7040	AN6554	LINEAR IC	Q3325	2SC2295-B	TRANSISTOR
IC7041	TL084CN	IC	Q3326	UN2216	TRANSISTOR
IC7042	UPC4558C	IC	Q3327	2SA1022-B	TRANSISTOR
IC7043	TC4053BP	MOS DIGITAL IC	Q3328	2SC2295-B	TRANSISTOR
IC7044	TC4053BP	MOS DIGITAL IC	Q3329	2SC2188	TRANSISTOR
IC7045	TC4053BP	MOS DIGITAL IC	Q3330	2SA1005	TRANSISTOR
IC7101	STK4112MK2	LINEAR IC	Q3331	2SA1005	TRANSISTOR
IC7102	STK4112MK2	LINEAR IC	Q3332	2SC3526H	TRANSISTOR
IC7103	STK4112MK2	LINEAR IC	Q3333	2SC2295-B	TRANSISTOR
IC7104	STK4112MK2	LINEAR IC	Q3337	UN2216	TRANSISTOR
			Q3341	2SC2295-B	TRANSISTOR

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
Q3342	2SC2295-B	TRANSISTOR	Q3573	UN2212	TRANSISTOR
Q3343	2SA1022-B	TRANSISTOR	Q3574	2SD601-R	TRANSISTOR
Q3344	2SC2295-B	TRANSISTOR	Q3575	2SD601-R	TRANSISTOR
Q3345	2SC2295-B	TRANSISTOR	Q3576	UN2112	TRANSISTOR
			Q3577	UN2112	TRANSISTOR
Q3346	UN2216	TRANSISTOR			
Q3347	2SA1022-B	TRANSISTOR	Q3578	2SD601-R	TRANSISTOR
Q3348	2SC2295-B	TRANSISTOR	Q3579	2SA1022-B	TRANSISTOR
Q3349	2SC2188	TRANSISTOR	Q3580	2SD601-R	TRANSISTOR
Q3350	2SA1005	TRANSISTOR	Q4001	2SD601A	TRANSISTOR
			Q4002	2SD601A	TRANSISTOR
Q3351	2SA1005	TRANSISTOR			
Q3352	2SC3526H	TRANSISTOR	Q4003	2SD601A	TRANSISTOR
Q3353	2SC2295-B	TRANSISTOR	Q4004	2SB709A	TRANSISTOR
Q3354	2SC2295-B	TRANSISTOR	Q4005	2SD601A	TRANSISTOR
Q3355	2SC2295-B	TRANSISTOR	Q4006	2SD601A	TRANSISTOR
Q3356	2SC2295-B	TRANSISTOR	Q4007	2SB709A	TRANSISTOR
Q3357	UN2216	TRANSISTOR	Q4008	2SB709A	TRANSISTOR
Q3361	2SC1685-Q	TRANSISTOR	Q4009	2SD601A	TRANSISTOR
Q3362	UN2212	TRANSISTOR	Q4010	2SD601A	TRANSISTOR
Q3363	UN2212	TRANSISTOR	Q4011	2SD601A	TRANSISTOR
Q3364	UN2212	TRANSISTOR	Q4101	2SD601A	TRANSISTOR
Q3365	UN2212	TRANSISTOR	Q4102	2SD601A	TRANSISTOR
Q3366	2SD601A-R	TRANSISTOR	Q4103	2SD601A	TRANSISTOR
Q3367	2SD601A-R	TRANSISTOR	Q4104	2SD601A	TRANSISTOR
Q3369	UN2212	TRANSISTOR	Q4105	2SD601A	TRANSISTOR
Q3370	2SC2295-B	TRANSISTOR	Q4106	2SB709A	TRANSISTOR
Q3371	2SC2295-B	TRANSISTOR	Q4107	2SD601A	TRANSISTOR
Q3372	2SC2295-B	TRANSISTOR	Q4108	2SD601A	TRANSISTOR
Q3373	2SA1022-B	TRANSISTOR	Q4109	2SD601A	TRANSISTOR
			Q4110	2SB709A	TRANSISTOR
Q3374	2SD601A-R	TRANSISTOR			
Q3375	2SD601-R	TRANSISTOR	Q4111	2SB709A	TRANSISTOR
Q3501	2SB1011	TRANSISTOR	Q4112	UN2212	TRANSISTOR
Q3502	2SD601-R	TRANSISTOR	Q4304	2SD601A	TRANSISTOR
Q3503	2SD601-R	TRANSISTOR	Q4305	2SB709A	TRANSISTOR
			Q4306	2SD601A	TRANSISTOR
Q3504	2SD601-R	TRANSISTOR			
Q3505	2SD601-R	TRANSISTOR	Q4307	UN2212	TRANSISTOR
Q3506	2SD601-R	TRANSISTOR	Q4308	UN2212	TRANSISTOR
Q3507	2SD601-R	TRANSISTOR	Q4401	2SD601A	TRANSISTOR
Q3551	2SD601-R	TRANSISTOR	Q4402	2SB709A	TRANSISTOR
			Q4403	2SD601A	TRANSISTOR
Q3552	2SD601-R	TRANSISTOR			
Q3553	2SD601-R	TRANSISTOR	Q4404	2SD601A	TRANSISTOR
Q3554	2SD601-R	TRANSISTOR	Q4405	2SD601A	TRANSISTOR
Q3555	2SD601-R	TRANSISTOR	Q4406	2SD601A	TRANSISTOR
Q3556	UN2212	TRANSISTOR	Q4407	2SB709A	TRANSISTOR
			Q4601	2SD601A	TRANSISTOR
Q3557	UN2112	TRANSISTOR			
Q3558	UN2212	TRANSISTOR	Q4641	2SD601A	TRANSISTOR
Q3559	2SD601-R	TRANSISTOR	Q4751	2SD601A	TRANSISTOR
Q3560	UN2212	TRANSISTOR	Q4752	2SD601A	TRANSISTOR
Q3561	UN2212	TRANSISTOR	Q4753	2SD601A	TRANSISTOR
			Q4754	2SD601A	TRANSISTOR
Q3562	UN2112	TRANSISTOR			
Q3563	UN2112	TRANSISTOR	Q4755	2SD601A	TRANSISTOR
Q3564	UN2112	TRANSISTOR	Q4756	2SB709A	TRANSISTOR
Q3565	UN2112	TRANSISTOR	Q4757	2SB709A	TRANSISTOR
Q3566	UN2212	TRANSISTOR	Q4801	2SD601A	TRANSISTOR
			Q4802	2SD601A	TRANSISTOR
Q3567	UN2112	TRANSISTOR			
Q3568	UN2112	TRANSISTOR	Q4803	2SB709A	TRANSISTOR
Q3569	UN2112	TRANSISTOR	Q4804	2SB709A	TRANSISTOR
Q3571	UN2212	TRANSISTOR	Q4805	2SD601A	TRANSISTOR
Q3572	UN2212	TRANSISTOR	Q4871	2SB709-R	TRANSISTOR

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
Q4872	2SD601-R	TRANSISTOR	Q5513	2SC2458A	TRANSISTOR
Q4881	2SB709-R	TRANSISTOR	Q5514	2SD601-R	TRANSISTOR
Q4882	2SD601-R	TRANSISTOR	Q5514	2SK301-R	TRANSISTOR
Q4891	2SB709-R	TRANSISTOR	Q5515	2SC1573-R	TRANSISTOR
Q4892	2SD601-R	TRANSISTOR	Q5517	2SC1505	TRANSISTOR
Q5001	2SD601-R	TRANSISTOR	Q5518	2SC2168F	TRANSISTOR
Q5002	2SB709-R	TRANSISTOR	Q5519	2SA958F	TRANSISTOR
Q5003	2SD601-R	TRANSISTOR	Q5519	2SA958FY	TRANSISTOR
Q5004	UN2212	TRANSISTOR	Q5522	2SD601-R	TRANSISTOR
Q5005	2SD601-R	TRANSISTOR	Q5523	2SK301-R	TRANSISTOR
Q5006	2SD601-R	TRANSISTOR	Q5524	2SD601-R	TRANSISTOR
Q5007	UN2214	TRANSISTOR	Q5526	2SD601-R	TRANSISTOR
Q5008	UN2214	TRANSISTOR	Q6001	2SC1318-R	TRANSISTOR
Q5009	UN2212	TRANSISTOR	Q6002	2SC3944	TRANSISTOR
Q5010	UN2212	TRANSISTOR	Q6003	2SD601-R	TRANSISTOR
Q5011	2SD601-R	TRANSISTOR	Q6004	2SB709-R	TRANSISTOR
Q5012	UN2212	TRANSISTOR	Q6005	2SD601-R	TRANSISTOR
Q5013	2SD601-R	TRANSISTOR	Q6006	2SD601A-R	TRANSISTOR
Q5014	2SD601-R	TRANSISTOR	Q6007	2SD601A-R	TRANSISTOR
Q5018	2SC1318-R	TRANSISTOR	Q6008	2SD1273	TRANSISTOR
Q5019	2SC1913A	TRANSISTOR	Q6010	2SD601-R	TRANSISTOR
Q5020	2SC4096LB-TV	TRANSISTOR	Q6011	2SB709-R	TRANSISTOR
Q5021	UN2216	TRANSISTOR	Q6014	2SC1573-Q	TRANSISTOR
Q5022	2SC2085	TRANSISTOR	Q6015	2SC1573-Q	TRANSISTOR
Q5023	2SC1573-Q	TRANSISTOR	Q6016	2SC2085	TRANSISTOR
Q5024	2SD1264	TRANSISTOR	Q6017	2SC4096LB-TV	TRANSISTOR
Q5025	2SC2085	TRANSISTOR	Q6018	2SC2834AM	TRANSISTOR
Q5026	UN2212	TRANSISTOR	Q6019	2SC2834AM	TRANSISTOR
Q5027	2SD601-R	TRANSISTOR	Q6021	2SD601-R	TRANSISTOR
Q5028	2SD601-R	TRANSISTOR	Q6022	2SD601-R	TRANSISTOR
Q5029	2SD1894	TRANSISTOR	Q6023	2SD601-R	TRANSISTOR
Q5030	2SB1254	TRANSISTOR	Q6027	2SC1573-Q	TRANSISTOR
Q5031	2SD601A-R	TRANSISTOR	Q6028	2SC1573-Q	TRANSISTOR
Q5032	2SD601A-R	TRANSISTOR	Q6029	2SB709-R	TRANSISTOR
Q5033	2SD601A-R	TRANSISTOR	Q6030	2SD601-R	TRANSISTOR
Q5034	2SD601-R	TRANSISTOR	Q6031	2SB709-R	TRANSISTOR
Q5035	2SD601-R	TRANSISTOR	Q6035	2SC1573-R	TRANSISTOR
Q5036	2SB709-R	TRANSISTOR	Q6039	UN2212	TRANSISTOR
Q5037	2SD601A-R	TRANSISTOR	Q6040	2SD1457A	TRANSISTOR
Q5038	2SD601-R	TRANSISTOR	Q6041	2SC1573-R	TRANSISTOR
Q5039	2SB709-R	TRANSISTOR	Q6042	2SB709-R	TRANSISTOR
Q5040	2SC2925	TRANSISTOR	Q6044	UN2216	TRANSISTOR
Q5041	2SC2660A	TRANSISTOR	Q6045	2SB709-R	TRANSISTOR
Q5042	UN2212	TRANSISTOR	Q6046	UN2216	TRANSISTOR
Q5043	UN2212	TRANSISTOR	Q6047	2SD601-R	TRANSISTOR
Q5501	2SD601-R	TRANSISTOR	Q6048	2SD601A-R	TRANSISTOR
Q5502	2SD601-R	TRANSISTOR	Q6049	2SD601-R	TRANSISTOR
Q5503	UN2216	TRANSISTOR	Q6050	2SD601-R	TRANSISTOR
Q5504	2SD601-R	TRANSISTOR	Q6051	2SD601-R	TRANSISTOR
Q5505	UN2216	TRANSISTOR	Q6052	2SD601-R	TRANSISTOR
Q5506	UN2112	TRANSISTOR	Q6053	UN2212	TRANSISTOR
Q5507	UN2112	TRANSISTOR	Q6054	UN2212	TRANSISTOR
Q5508	UN2112	TRANSISTOR	Q6055	UN2212	TRANSISTOR
Q5509	UN2212	TRANSISTOR	Q6056	UN2212	TRANSISTOR
Q5510	UN2212	TRANSISTOR	Q6057	2SA879	TRANSISTOR
Q5511	UN2212	TRANSISTOR	Q6058	2SC1573-Q	TRANSISTOR
Q5511	2SC2458A	TRANSISTOR	Q6061	2SA879	TRANSISTOR
Q5512	UN2212	TRANSISTOR	Q7005	UN2212	TRANSISTOR
Q5512	2SC2458A	TRANSISTOR	Q7006	UN2212	TRANSISTOR

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
Q7007	2SC1685-Q	TRANSISTOR	Q9059	2SC1685-Q	TRANSISTOR
Q7008	2SC1685-Q	TRANSISTOR	Q9060	2SA564A-R	TRANSISTOR
Q7009	2SC1685-Q	TRANSISTOR	Q9101	2SC3982	TRANSISTOR
Q7011	2SD601A-R	TRANSISTOR			
Q7065	2SD601A-R	TRANSISTOR	Q9102	2SD1539	TRANSISTOR
			Q9103	2SB1071	TRANSISTOR
Q7066	2SB709A-R	TRANSISTOR	Q9151	2SC2458A	TRANSISTOR
Q7067	2SD601A-R	TRANSISTOR	Q9201	2SC3982	TRANSISTOR
Q7100	2SD601A-R	TRANSISTOR	Q9202	2SD1539	TRANSISTOR
Q7101	2SD601A-R	TRANSISTOR			
Q7102	2SK301-R	TRANSISTOR	Q9203	2SB1071	TRANSISTOR
			Q9204	UN1212	TRANSISTOR
Q7103	2SD601A-R	TRANSISTOR	Q9251	2SC2458A	TRANSISTOR
Q7104	2SK301-R	TRANSISTOR	Q9252	UN1212	TRANSISTOR
Q7105	2SD601A-R	TRANSISTOR	Q9301	2SC3982	TRANSISTOR
Q7106	2SK301-R	TRANSISTOR			
			Q9302	2SD1539	TRANSISTOR
Q7107	2SD601A-R	TRANSISTOR	Q9303	2SB1071	TRANSISTOR
Q7108	2SK301-R	TRANSISTOR	Q9351	2SC2458A	TRANSISTOR
Q7201	2SD601A-R	TRANSISTOR	Q9401	2SD601A-Q	TRANSISTOR
Q7202	2SK301-R	TRANSISTOR	Q9402	2SB709A-R	TRANSISTOR
Q7203	2SD601A-R	TRANSISTOR			
			Q9403	2SD601A-Q	TRANSISTOR
Q7204	2SK301-R	TRANSISTOR	Q9404	2SD601A-Q	TRANSISTOR
Q7251	2SD601A-R	TRANSISTOR	Q9405	2SD601A-Q	TRANSISTOR
Q7252	2SK301-R	TRANSISTOR	Q9501	2SD601A-Q	TRANSISTOR
Q7253	2SD601A-R	TRANSISTOR	Q9502	2SB709A-R	TRANSISTOR
Q7254	2SK301-R	TRANSISTOR			
			Q9503	2SD601A-Q	TRANSISTOR
Q7301	2SD601A-R	TRANSISTOR	Q9504	2SD601A-Q	TRANSISTOR
Q7302	2SB709A-R	TRANSISTOR	Q9505	2SD601A-Q	TRANSISTOR
Q7307	2SD601A-R	TRANSISTOR	Q9601	2SD601A-Q	TRANSISTOR
Q7308	2SB709A-R	TRANSISTOR	Q9602	2SB709A-R	TRANSISTOR
Q7309	2SD601A-R	TRANSISTOR			
			Q9603	2SD601A-Q	TRANSISTOR
Q7310	2SB709A-R	TRANSISTOR	Q9604	2SD601A-Q	TRANSISTOR
Q7311	2SD601A-R	TRANSISTOR	Q9605	2SD601A-Q	TRANSISTOR
Q7312	2SB709A-R	TRANSISTOR	Q9701	2SC1685-Q	TRANSISTOR
Q7313	2SD601A-R	TRANSISTOR	Q9702	2SC1685-Q	TRANSISTOR
Q7314	2SB709A-R	TRANSISTOR			
			Q9703	2SA564A-R	TRANSISTOR
Q7315	2SD601A-R	TRANSISTOR	Q9704	2SC1685-Q	TRANSISTOR
Q7317	2SD601A-R	TRANSISTOR	Q9705	2SC1685-Q	TRANSISTOR
Q7318	2SB709A-R	TRANSISTOR	Q9706	UN1211	TRANSISTOR
Q7319	2SD601A-R	TRANSISTOR	Q9751	UN1211	TRANSISTOR
Q7320	2SB709A-R	TRANSISTOR	Q9752	2SA720-Q	TRANSISTOR
Q7321	2SD601A-R	TRANSISTOR	CABINET & MAIN PARTS		
Q7322	2SB709A-R	TRANSISTOR			
Q7323	2SD601A-R	TRANSISTOR			
Q7324	2SB709A-R	TRANSISTOR			
			M1	EAS8P141A	SPEAKER
Q8001	2SD601A-Q	TRANSISTOR	G1	EUR50650	REMOTE CONTROL T
Q8002	2SB709A-R	TRANSISTOR	M2	TBM130767	MODEL NAME PLATE
Q8003	2SD601A-Q	TRANSISTOR			(PT-B1010E)
Q8004	2SD601A-Q	TRANSISTOR	M2	TBM130769	MODEL NAME PLATE
					(PT-B1010EF)
Q8005	2SD601A-Q	TRANSISTOR	M3	TBM17036-1	ALUMI PLATE
Q8006	2SC3403	TRANSISTOR	M4	TBX1550302	KNOB (POWER)
Q8007	2SD601-R	TRANSISTOR			
Q9051	2SC4004	TRANSISTOR	M5	TEK13609	FAN
Q9052	2SD965	TRANSISTOR	M6	TEK17911	SWITCH
Q9053	2SA564A-R	TRANSISTOR	G2	TES202	SPRING
Q9054	UN1112	TRANSISTOR			
Q9055	2SA564A-R	TRANSISTOR	M7	TES4146	SPRING
Q9056	2SC1685-Q	TRANSISTOR	M8	TES4149	SPRING
			G3	TES4537	SPRING
Q9057	2SC1685-Q	TRANSISTOR	M9	TES4582	SPRING
Q9058	2SC1685-Q	TRANSISTOR	M10	TES4583	SPRING

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
G4	TES6183	SPRING	G30	TPD131106	CUSHION (UPPER)
M11	TES7151	SPRING	G31	TPD132105	CUSHION (BOTTOM)
G5	THE600	BOLT	G32	TPD132106	CUSHION (BOTTOM)
M12	TEH757	BOLT	G33	TPD139258	CARTON
G6	THE824	SCREW	G34	TPD139259	SEET
G7	THE869	SCREW	G35	TPD139298	SIDE CUSHION
G8	THE870Z	SCREW	G36	TPD139350	CUSHION
M13	THE888	SCREW	G37	TPE114100	SEET
M14	THE917	SCREW	G38	TQB510164	OPERATING INSTRUCTIONS
G9	THN3086	NUT	G39	TQB510165	INSTALLATION INSTRUCTIONS
G10	THW70023W	WASHER	M35-1	TSM10014	ALIGNMENT MAGNET
G11	THW70038	WASHER	M36	TSM10021-1	FOCUS MAGNET R
M15	THW70047W	WASHER	M37	TSM10022-1	FOCUS MAGNET G
M60	TJC6137	EARTH LUG	M38	TSM10023-1	FOCUS MAGNET B
G12	TJS1A4330	BNC CONNECTOR	M39	TSX1433	AC POWER CORD
G13	TJS1A4340	BNC CONNECTOR	M40	TSX3105	AC POWER CORD (U.K. only)
G14	TJS1A5250	CRT SOCKET	G41	TSX3299	REMOCOL CABLE
M16	TJS1A8220	25P CONNECTOR	M41	TSX5201	CONVERSION ADAPTOR (W/SCREW)
G15	TJS118590	2P CONNECTOR	M42	TSX5201-1	CONVERSION ADAPTOR (W/O SCREW)
M17	TJS2A9020	AC CONNECTOR	M43	TXAMZ01KSZ	CONTROL BASE (R)
G16	TJS5A8070	S TERMINAL	M44	TXAMZ02KSZ	CONTROL BASE (L)
G17	TJS5A8500	JACK	M45	TXFORTBKSZ	PICTURE TUBE (B)
G18	TJS5A9250	PHONO PIN	M46	TXFORTGKSZ	PICTURE TUBE (G)
M18	TKK130725	LENS CAP	M47	TXFORTRKSZ	PICTURE TUBE (R)
G19	TKK139486	BUSHU	M45	TXFORTBKTZ	PICTURE TUBE (B)
M19	TKN13513	NET (Outside)	M46	TXFORTGKTZ	PICTURE TUBE (G)
G20	TKN13703	NET (Inside)	M47	TXFORTRKTZ	PICTURE TUBE (R)
M20	TKP1312901-2	DOOR	M48	TXFKG1BDD4	LENS (B)
M21	TKR23420	FIXING METAL	M49	TXFKG1GDD4	LENS (G)
M22	TKR23450	METAL FLAME	M50	TXFKG1RDD4	LENS (R)
G20	TKR23520	COLLAR	M51	TXFKY02KSZ	BOTTOM CABINET
M23	TKR53180	METAL FLAME (R)	M52	TXFKY03IKZ	TOP COVER
M24	TKR53190	METAL FLAME (L)	G42	TXFZAC0300	HIGH BOLT LEED
G21	TKR53200	PLATE	M53	TXF3F01BE6	ANODE LEED (R, G)
M25	TKR53510	FAN GARD	M54	TXF3F02BE6	ANODE LEED (B)
M26	TKS13330	COVER	G43	UR50EC808	BATTERY COVER
M27	TKX134706-3	FRONT PANEL	G44	VJF0022	CLAMPER
M28	TLY15269D2	DEFLECTION YOKE (R)	G45	XNG10B	NUT
M29	TLY15270D	DEFLECTION YOKE (G)	G60	XSN2+15FZ	SCREW
M30	TLY15271D	DEFLECTION YOKE (B)	G61	XXET699Z	SCREW
G22	TMM13202	FOCUS LING	G46	XSN23+14	SCREW
G23	TMM17205-1	CRAMPER	G47	XSN25+6FZ	SCREW
G24	TMM17698	LAMP HOLDER	G48	XST4+8FZ	SCREW
G25	TMM3565	RUBBER CAP	G49	XTN2+6A	SCREW
M31	TMW13714	BRACKET	G50	XTV3+12JFZ	SCREW
M32	TMX13413	SPACER	M55	XTV3+6J	SCREW
M33	TMX13417	SUPPORT	M56	XTV3+8J	SCREW
G26	TNQ2665	REMOTE CONTROL R	M57	XTW3+6T	TAPPING SCREW
M34	TNX13013-1	H.V. DISTRIBUTOR	M58	XTW3+8T	SCREW
M35	TNX13024	SCREEN CONTROL	G51	XWB10B	WASHER
G27	TNX19032-R	REMOTE CONTROL BO	G52	XWH10	WASHER
G28	TPC1342107	CARTON			
G29	TPD131105	CUSHION (UPPER)			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
G53	XYN5+E12S	SCREW	D16	TJS118640	PHONO PIN
M59	XYN4+F12	SCREW	D17	TJS118650	PHONO PIN
			D18	TJS118640	PHONO PIN
G54	XZBT6506	POLY BAG	D19	TJS118650	PHONO PIN
G55	XZB10X10C03	POLY BAG	D20	TJS118640	PHONO PIN
G56	XZB13X18C03	POLY BAG	D21	TJS118630	6P CONNECTOR
G57	XZB30X60C03	POLY BAG	D22	TJS118610	4P CONNECTOR
G58	XZB6X70C03	POLY BAG	D31	TJS118630	6P CONNECTOR
G59	THW70031Z	WASHER			
B1	TJS118670	PHONO PIN	D32	TJS118630	6P CONNECTOR
B2	TJS118670	PHONO PIN	E7	TJS118620	5P CONNECTOR
B3	TJS118630	6P CONNECTOR	E8	TJS118650	PHONO PIN
B4	TJS118650	PHONO PIN	E9	TJS118590	2P CONNECTOR
B5	TJS118670	PHONO PIN	F1	TJS118600	3P CONNECTOR
B6	TJS118610	4P CONNECTOR	F2	TJS118600	3P CONNECTOR
B7	TJS118630	6P CONNECTOR	F3	TJS118600	3P CONNECTOR
B8	TJS118640	PHONO PIN	F4	TJS118600	3P CONNECTOR
B9	TJS118610	4P CONNECTOR	F5	TJS118600	3P CONNECTOR
B10	TJS118610	4P CONNECTOR	F6	TJS118600	3P CONNECTOR
B11	TJS118630	6P CONNECTOR	F9	TJS118590	2P CONNECTOR
B12	TJS118600	3P CONNECTOR	K5	TJS118610	4P CONNECTOR
B13	TJS118600	3P CONNECTOR	K6	TJS118600	3P CONNECTOR
B14	TJS118610	4P CONNECTOR	K7	TJS118600	3P CONNECTOR
B15	TJS118610	4P CONNECTOR	K8	TJS118590	2P CONNECTOR
BF7	TJS118640	PHONO PIN	K9	TJS118590	2P CONNECTOR
BF8	TJS118610	4P CONNECTOR	K10	TJS118600	3P CONNECTOR
BF10	TJS118610	4P CONNECTOR	L4	TJS118600	3P CONNECTOR
BF11	TJS118690	PHONO PIN	L5	TJS118610	4P CONNECTOR
C1	TJS118650	PHONO PIN	LB1	TJS118630	6P CONNECTOR
C2	TJS118640	PHONO PIN	LB2	TJS118600	3P CONNECTOR
C3	TJS118660	9P CONNECTOR	LB3	TJS118610	4P CONNECTOR
C4	TJS118620	5P CONNECTOR	LG1	TJS118600	3P CONNECTOR
C5	TJS118600	3P CONNECTOR	LG2	TJS118600	3P CONNECTOR
C6	TJS118630	6P CONNECTOR	LG3	TJS118610	4P CONNECTOR
C7	TJS118610	4P CONNECTOR	LR1	TJS118600	3P CONNECTOR
C8	TJS118640	PHONO PIN	LR2	TJS118600	3P CONNECTOR
C9	TJS118610	4P CONNECTOR	LR3	TJS118610	4P CONNECTOR
C06	TJS118690	PHONO PIN	P27	TJS118610	4P CONNECTOR
C10	TJS118630	6P CONNECTOR	Q5	TJS118610	4P CONNECTOR
C11	TJS118650	PHONO PIN	Q6	TJS118600	3P CONNECTOR
C12	TJS118640	PHONO PIN	S1	TJS1A8100	PHONO PIN (4P)
C13	TJS118610	4P CONNECTOR	T1	TJS118600	3P CONNECTOR
C14	TJS169010	CONNECTOR	T2	TJS118600	3P CONNECTOR
C15	TJS168980	4P CONNECTOR	A1	TJS118590	2P CONNECTOR
C16	TJS169010	CONNECTOR	A2	TJS118610	4P CONNECTOR
C17	TJS5A8690	15P CONNECTOR	A4	TJS118640	PHONO PIN
C18	TJS5A8690	15P CONNECTOR	A5	TJS118610	4P CONNECTOR
C19	TJS5A8690	15P CONNECTOR	A6	TJS118670	PHONO PIN
C20	TJS5A8690	15P CONNECTOR	A7	TJS118670	PHONO PIN
C21	TJS118650	PHONO PIN	△ F9001A	TJC6320	FUSE HOLDER, SMALL
C01	TJS5A8690	15P CONNECTOR	△ F9001B	TJC6320	FUSE HOLDER, SMALL
C02	TJS118650	PHONO PIN	△ F9001	XBA2C40TRO	FUSE 250V 4A
C03	TJS5A8690	15P CONNECTOR	I1	TJS1A8090	PHONO PIN (3P)
C04	TJS5A8690	15P CONNECTOR			
C05	TJS118640	PHONO PIN	LP7001	XAMT354	NEON LAMP
D8	TJS118630	6P CONNECTOR	△ N6001	XANT343	NEON LAMP
D14	TJS118640	PHONO PIN	NLA	TNP101682BZ	CIRCUIT BOARD B
D15	TJS118620	5P CONNECTOR	NLA	TNP101683	CIRCUIT BOARD D1

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
NLA	TNP101684	CIRCUIT BOARD C1	RL3301	TSE1880	RELAY
NLA	TNP101687	CIRCUIT BOARD W	RL3302	TSE1879	RELAY
			RL5001	TSE1877	RELAY
NLA	TNP101688	CIRCUIT BOARD E1			
NLA	TNP101689ZA	CIRCUIT BOARD E2	RL5002	TSE1877	RELAY
NLA	TNP101690ZA	CIRCUIT BOARD D2	RL6001	TSE1877	RELAY
NLA	TNP101691	CIRCUIT BOARD P1	RL6002	TSE1877	RELAY
NLA	TNP101692	CIRCUIT BOARD P2	RL8001	TSE1878	RELAY
			RL8002	TSE1877	RELAY
NLA	TNP101693	CIRCUIT BOARD P3			
NLA	TNP101694	CIRCUIT BOARD A	RL8003	TSE1877	RELAY
NLA	TNP101695	CIRCUIT BOARD L	RL9001	TSE1866	RELAY
NLA	TNP101696AA	CIRCUIT BOARD LR	S5501	TSE376	SWITCH
NLA	TNP101697AA	CIRCUIT BOARD LG	S7001	EVQQVH19K	SWITCH
			S7002	EVQQVH19K	SWITCH
NLA	TNP101698AA	CIRCUIT BOARD LB			
NLA	TNP101699	CIRCUIT BOARD V	S7003	EVQQVH19K	SWITCH
NLA	TNP101700	CIRCUIT BOARD S	S7004	EVQQVH19K	SWITCH
NLA	TNP101701	CIRCUIT BOARD I	S7005	EVQQVH19K	SWITCH
			S7006	EVQQVH19K	SWITCH
			S7007	EVQQVH19K	SWITCH
NLA	TNP101702	CIRCUIT BOARD C3			
NLA	TNP101703	CIRCUIT BOARD C4	S7008	EVQQVH19K	SWITCH
NLA	TNP101704	CIRCUIT BOARD C5	S7009	TSE649	SWITCH
NLA	TNP101705ZA	CIRCUIT BOARD E0	S9091	ESB99582V	SWITCH
NLA	TNP101706ZA	CIRCUIT BOARD H0	S9092	TSE1901	SWITCH
			SW1001	ESE15321	SWITCH
NLA	TNP101707ZA	CIRCUIT BOARD ER1			
NLA	TNP101708ZA	CIRCUIT BOARD DR1	SW1002	ESD1131255	SWITCH
NLA	TNP101709ZA	CIRCUIT BOARD DR2	SW3501	TSE392	SWITCH
NLA	TNP101710ZA	CIRCUIT BOARD TR1			
NLA	TNP101711ZA	CIRCUIT BOARD TR2			
			V1	TJS1A8100	PHONO PIN (4P)
NLA	TNP101712ZA	CIRCUIT BOARD R1			
NLA	TNP101713	CIRCUIT BOARD P4	V2	TJS1A8160	PHONO PIN (10P)
NLA	TNP101714	CIRCUIT BOARD P5	W1	TJS118670	PHONO PIN
NLA	TNP101715	CIRCUIT BOARD P6	W2	TJS118650	PHONO PIN
NLA	TNP101719ZA	CIRCUIT BOARD ER2	X751	TAFCSB503F35	CERAMIC FILTER
			X801	TSS116M1	CRYSTAL OSCILATOR
NLA	TNP101720BZ	CIRCUIT BOARD Q			
NLA	TNP101729	CIRCUIT BOARD T1	X802	TSS816M	CRYSTAL
NLA	TNP101878	CIRCUIT BOARD D3	X1001	CSB440JB6	CERAMIC OSC
NLA	TNP110591	CIRCUIT BOARD K	S2001	TAG10002	SPARK GAP
	TXANPC2DD4	CIRCUIT BOARD C2	S2101	TAG10002	SPARK GAP
			S2201	TAG10002	SPARK GAP
P12	TJS5A8700	12P CONNECTOR			
P13	TJS118600	3P CONNECTOR			
P14	TJS118620	5P CONNECTOR			
P16	TJS118610	4P CONNECTOR			
P22	TJS5A8700	12P CONNECTOR			
P23	TJS118620	5P CONNECTOR			
P24	TJS118630	6P CONNECTOR			
P25	TJS118610	4P CONNECTOR			
P26	TJS118600	3P CONNECTOR			
P27	TJS118650	PHONO PIN			
P32	TJS5A8700	12P CONNECTOR			
P33	TJS118620	5P CONNECTOR			
P34	TJS118620	5P CONNECTOR			
P35	TJS118610	4P CONNECTOR			
P36	TJS118630	6P CONNECTOR			
P37	TJS118610	4P CONNECTOR			
P38	TJS118600	3P CONNECTOR			
P41	TJS5A8710	12P CONNECTOR			
P51	TJS5A8710	12P CONNECTOR			
P61	TJS5A8710	12P CONNECTOR			
PP	TJS118590	2P CONNECTOR			

00978

ORDER NO. VED9501199S2

Service Manual

Colour Video Projector

PT-B1010E/EF**Supplement-6****Chassis No. Q14****Subject : Measurements and adjustments modification**

Please file and use this supplement manual together with the service manual for Model No. PT-B1010E/EF, Order No. VED9111081C2.

Replace " 5. Deflection Change " with following ones. (on page 45)

5. Deflection Change

A. How to change the projection mode from ceiling to floor use !

- (1) Turn-off the main power switch of the set.
- (2) Remove five screws which fix the top cover of the set.
- (3) Change the position of the D30 coupler from original setting to floor use mode (which is indicated by the dotted rectangle) on the D1 P.W.board.
- (4) Change the position of the D1, D2 and D3 couplers from its original setting to floor use mode (which is indicated by the dotted rectangle) on the D1 P.W.board.
- (5) Change the setting of the switch (S5501) on the D1 P.W.board from original one to floor use mode (which is indicated as F).
- (6) Change the setting of the DIP switch (SW7721) on the C2 P.W.board from its original (No.3 is ON) to floor use mode (No.3 is OFF).
- (7) Turn-on the main power and the remote switch of the set.
- (8) Warm up the set about 30 minutes with the desired input signal connected.
- (9) Reset all data for point convergence adjustment by following this procedure.

[Procedure for cancelling data of point convergence in the RAM]

- (9-1) Push the TEST key (TEST mode : Crosshatch pattern) on the remote-controller.
- (9-2) Then push CURSOR key.
- (9-3) Push the CURSOR CENTER key five times. It is marked by a "big dot ●".
- (9-4) Finally, push the cursor direction key of which is below the center cursor key and marked as an "inverted triangle ▼".

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

- (10) Next, reset all data for the dynamic convergence adjustment by following this procedure.

[Procedure for cancelling data of dynamic convergence in the RAM]

- (10-1) Push the TEST key (TEST mode : Crosshatch patten) on the remote-controller.
- (10-2) Then push CURSOR key five times.
- (10-3) Finally, push the cursor direction key of which is below the center cursor key and marked as an "inverted triangle ▼".
- (11) Since green (G) is the reference colour for this set, dynamic convergence adjustment should be done with green (G) at first.
- (12) Do adjustment for horizontal linearity and static convergence with a variable resistor R7306, in case it is necessary.
- (13) After finishing these procedures, do adjustment for static convergence.
- (14) Next, do the adjustment for dynamic convergence of red (R) to overlap on the green (G).
- (15) If the dynamic convergence of red (R) is unable to overlap well on the green (G) as shown in Fig 1, do the adjustment for each variable resistor R7326 (R.V-BOW) and R7323 (R-TILT).

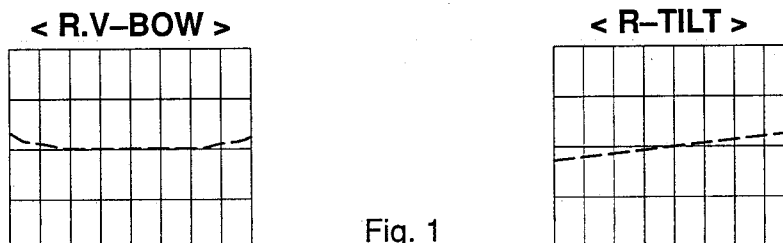


Fig. 1

- (16) Finally, do the adjustment for dynamic convergence of blue (B) to overlap on the green (G).
- (17) If the dynamic convergence of blue (B) is unable to overlap well on the green (G) as shown in Fig 2, do the adjustment for each variable resistor R7341 (B.V-BOW) and R7339 (B-TILT).

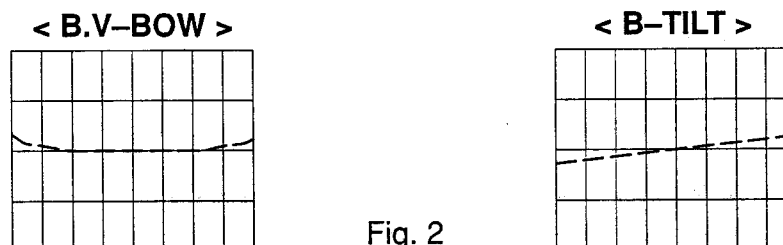


Fig. 2

- (18) Do the adjustment for point convergence of red (R) to overlap well on the lines of green (G).
- (19) Do the adjustment for point convergence of blue (B) to overlap well on the lines of green (G).

[Caution]

Adjustment for point convergence should be done in case there is difficulty correcting partial miss-overlapping of colours after finishing adjustment for dynamic convergence.

B. How to change the projection mode from floor to ceiling use !

- (1) Turn-off the main power switch of the set.
- (2) Remove five screws which fix the top cover of the set.
- (3) Change the position of the D30 coupler from original setting to ceiling use mode (which is indicated with a rectangle) on the D1 P.W.board.
- (4) Change the position of the D1, D2 and D3 couplers from its original setting to ceiling use mode (which is indicated with a rectangle) on the D1 P.W.board.
- (5) Change the setting of the switch (S5501) on the D1 P.W.board from original one to ceiling use mode (which is indicated as C).
- (6) Change the setting of the DIP switch (SW7721) on the C2 P.W.board from its original (No.3 is OFF) to ceiling use mode (No.3 is ON).
- (7) Turn-on the main power and the remote switch of the set.
- (8) Warm up the set about 30 minutes with the desired input signal connected.
- (9) Reset all data for point convergence adjustment by following this procedure.

[Procedure for cancelling data of point convergence in the RAM]

- (9-1) Push the TEST key (TEST mode: Crosshatch pattern) on the remote-controller.
 - (9-2) Then push CURSOR key.
 - (9-3) Push the CURSOR CENTER key five times. It is marked by a "big dot ●".
 - (9-4) Finally, push the cursor direction key which is below the center cursor key and marked as an "inverted triangle ▼".
- (10) Next, reset all data for the dynamic convergence adjustment by following this procedure.

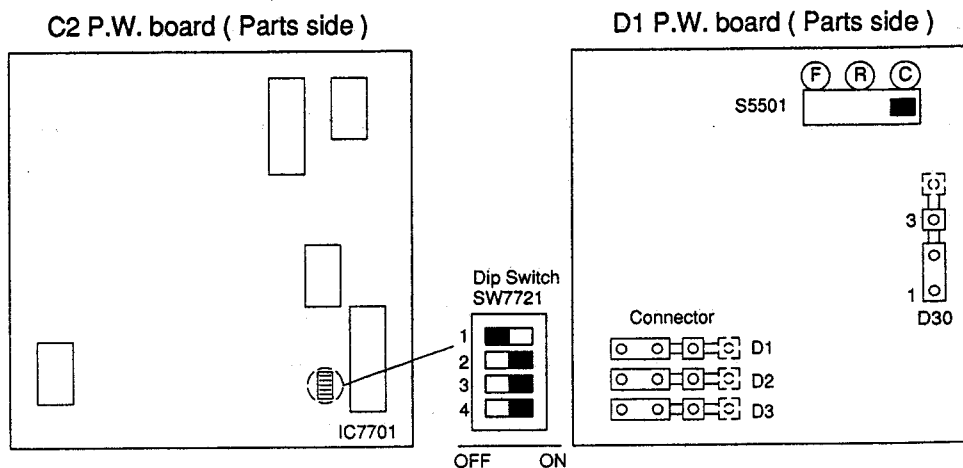
[Procedure for cancelling data of dynamic convergence in the RAM]

- (10-1) Push the TEST key (TEST mode : Crosshatch pattern) on the remote-controller.
 - (10-2) Then push CURSOR key five times..
 - (10-3) Finally, push the cursor direction key which is below the center cursor key and marked as an "inverted triangle ▼".
- (11) Since green (G) is the reference colour for this set, dynamic convergence adjustment should be done with green (G) at first.
 - (12) Do adjustment for horizontal linearity and static convergence with a variable resistor R7306, in case it is necessary.
 - (13) After finishing these procedures, do adjustment for static convergence.
 - (14) Next, do the adjustment for dynamic convergence of red (R) to overlap on the green (G).
 - (15) If the dynamic convergence of red (R) is unable to overlap well on the green (G) as shown in following graphs, do the adjustment for each variable resistor R7326 (R.V-BOW) and R7323 (R-TILT).
 - (16) Finally, do the adjustment for dynamic convergence of blue (B) to overlap on the green (G).

- (17) If the dynamic convergence of blue (B) is unable to overlap well on the green (G) as shown in following graphs, do the adjustment for each variable resistor R7341 (B.V-BOW) and R7339 (B-TILT).
- (18) Do the adjustment for point convergence of red (R) to overlap well on the lines of green (G).
- (19) Do the adjustment for point convergence of blue (B) to overlap well on the lines of green (G).

[Caution]

Adjustment for point convergence should be done in case there is difficulty correcting partial miss-overlapping of colours after finishing adjustment for dynamic convergence.



Model Name	Projection Mode	Positioning		Positioning				
		Dip sw SW7721		Connector D1, D2, D3	Connector D30	Switch S5501		
		No. 3	No. 4					
PT-B1010E	Front or Rear Ceiling with Mirror		ON	ON			White Yellow	
	Rear Ceiling		ON	OFF				
PT-B1010EF	Front or Rear Floor with Mirror		OFF	ON			Yellow White	
	Rear Floor		OFF	OFF				

